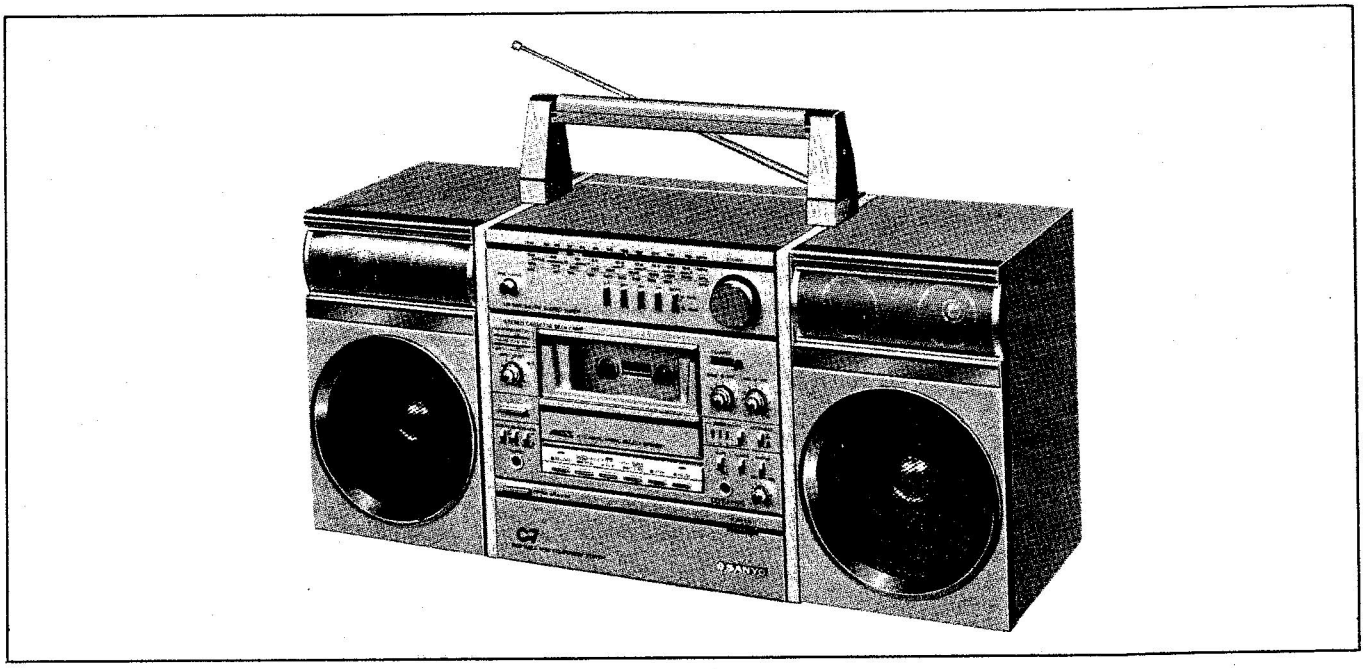
SERVICE MANUAL

SANYO

PORTABLE MINI COMPONENT SYSTEM

C7

(EUROPE)



SPECIFICATIONS

NOTE:
The below mentioned specifications are mainly based on the IHF measurements standard. They can therefore not directly be compared with specifications based on the DIN standard or other standards.

C7T TUNER SECTION

FM section

Frequency range	87.5 – 108 MHz (nominal)
Usable sensitivity	2.0μV (mono)
Signal to noise ratio (1mV ANT.)	80 dB (mono)
Harmonic distortion (1 kHz)	0.5% (mono)
Aerial input	300 ohms balanced

AM (LW/MW/SW) section

Frequency range	LW: 153 – 279 kHz
	MW: 531 – 1602 kHz
	SW: 5.95 – 18 MHz
Sensitivity (ferrite aerial)	350μV/m (MW), 650μV/m (LW)
(external aerial)	30μV (SW)
Signal to noise ratio (10 mV/m)	50 dB (MW)
Aerial	Ferrite bar aerial and external aerial terminal

General

Dimensions (Approx.)	215 (W) x 205 (D) x 58 (H) mm (8-1/2" x 8-1/16" x 2-5/16")
Weight (Approx)	1.15 kg (2 lbs. 9 pxs.)

C7D CASSETTE DECK/AMPLIFIER SECTION

Cassette deck section

Tape	Metal, normal tape
Recording system	AC bias, 4-track stereo
Erasing system	AC erasing, 2-track
Tape speed	4.75 cm/sec. (1-7/8 i.p.s.)
Rewind and fast forward time	Approx. 110 sec. (C–60)
How and flutter	0.05% (WRMS)
Frequency response	30 – 17,000 Hz (metal)
	30 – 14,000 Hz (normal)
Signal to noise ratio (metal tape)	66 dB (Dolby NR on)
	56 dB (Dolby NR off)

Amplifier section

Output power	8 W x 2 maximum (at 2.5 ohms load)
Inputs	MIC: 1.5 mV/10 kohms
	PHONO: 3.5 mV/47 k ohms
Outputs	SPEAKER: 2.5 – 8 ohms
	PHONES: 8 ohms to 10 k ohms
Tone control response	
BASS	±8 dB (at 100 Hz)
TREBLE	±8 dB (at 10 kHz)
Loudness control response 100 Hz/10 kHz	±8 dB/+4 dB
Signal to noise ratio	76 dB (PHONO)

General

Dimensions (Approx.)	215 (W) x 206 (D) x 120.5 (H) mm (8-1/2" x 8-1/8" x 4-3/4")
Weight (Approx.)	2.75 kg (6 lbs. 1 0z.)

C7S SPEAKER SYSTEM

Type	2 way speaker system, bassreflex type: Tweeter 4 cm, Woofer 10 cm
Impedance	2.5 ohms
Input power	20W (maximum)
Dimensions (Approx.)	140 (W) x 184 (D) x 231 (H)mm (5-1/2" x 7-1/4" x 9-1/8")
Weight (Approx.)	1.45 kg. (3 lbs. 3 ozs.) x 2

C7P POWER SUPPLY UNIT

Power requirements	AC: 110/220V, 50 Hz
	DC: 12 – 15V car battery adaptor
	DC: 13.5 V "D" (UM–1) x 9
Power consumption	45 W
Dimensions (Approx.)	215 (W) x 225 (D) x 62.5 (H) mm (8-1/2" x 8-7/8" x 2-7/16")
Weight (Approx.)	3.4 kg. (7 lbs. 8 ozs.) including batteries
Total dimensions of the system C7	515 (W) x 232 (D) x 306.5 (H) mm (20-5/16" x 9-1/8" x 12-1/16")
Total weight of the system C7	11.2 kg. (24 lbs. 11 ozs.) including batteries

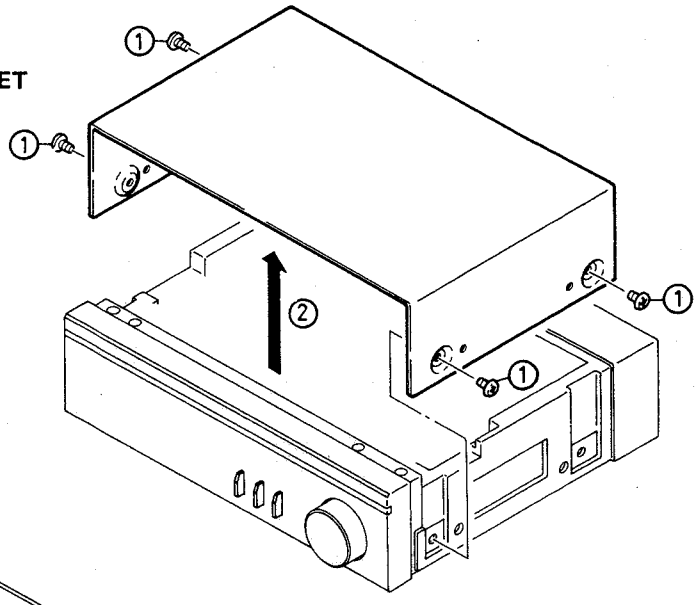
* Specifications subject to change without notice.

WM-6839

DISASSEEMBLY (TUNER UNIT)

Perform disassembly of tuner unit after removing the power source (supply cord, battery, lead cord) without fail. A major component of tuner unit can be removed simply if removed in order of numbering given in each of following figures:

T–1
REMOVING CABINET



T–2
REMOVING BOTTOM-LID

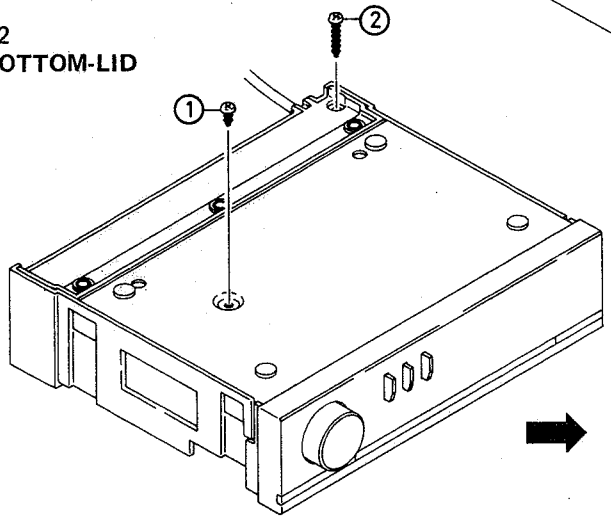


Fig a

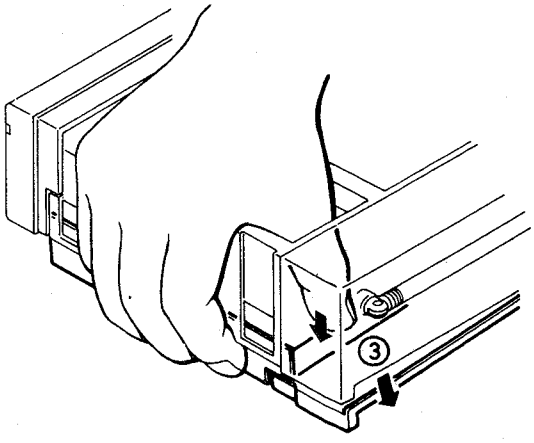
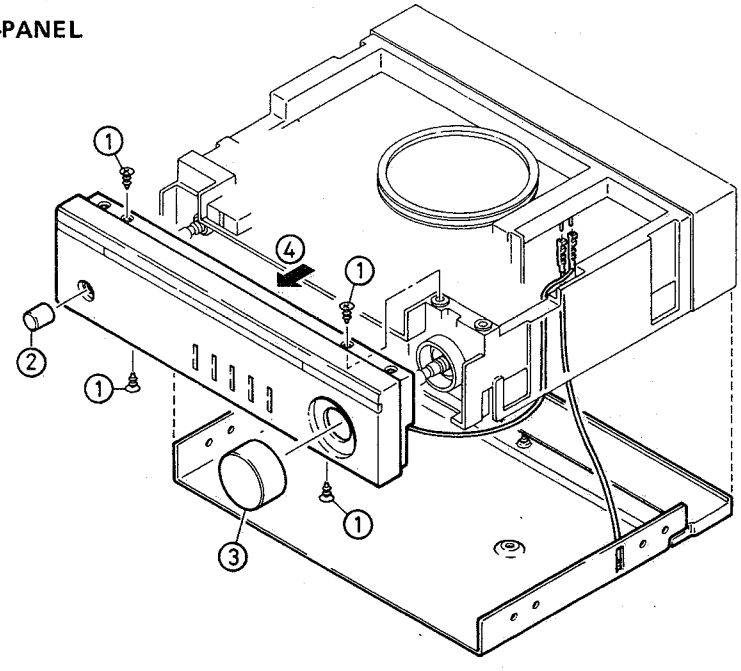


Fig b

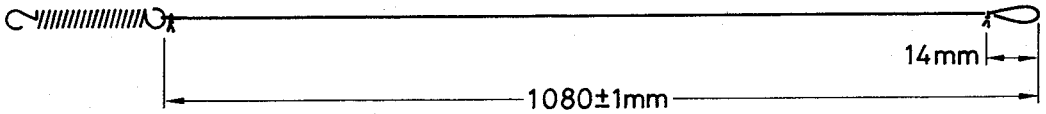
T–3
REMOVING FRONT-PANEL

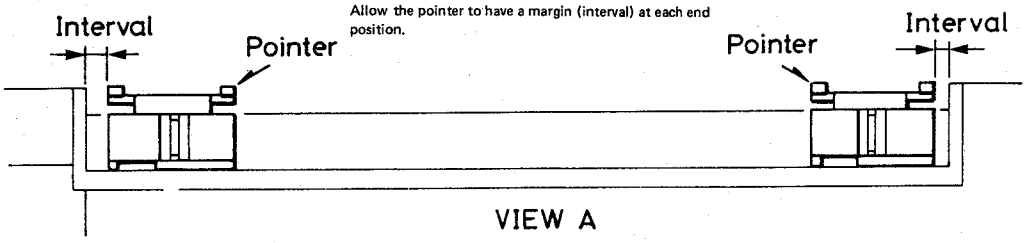


STRINGING OF DIAL ROPE

(1) Preparation

Prepare 0.5mmφ x 1200mm rope. Knot an one end of this rope so that the inner diameter of thus formed loop becomes 14mm. Bind another end of rope to the spring coil so that the overall length becomes 1080 ± 1mm.





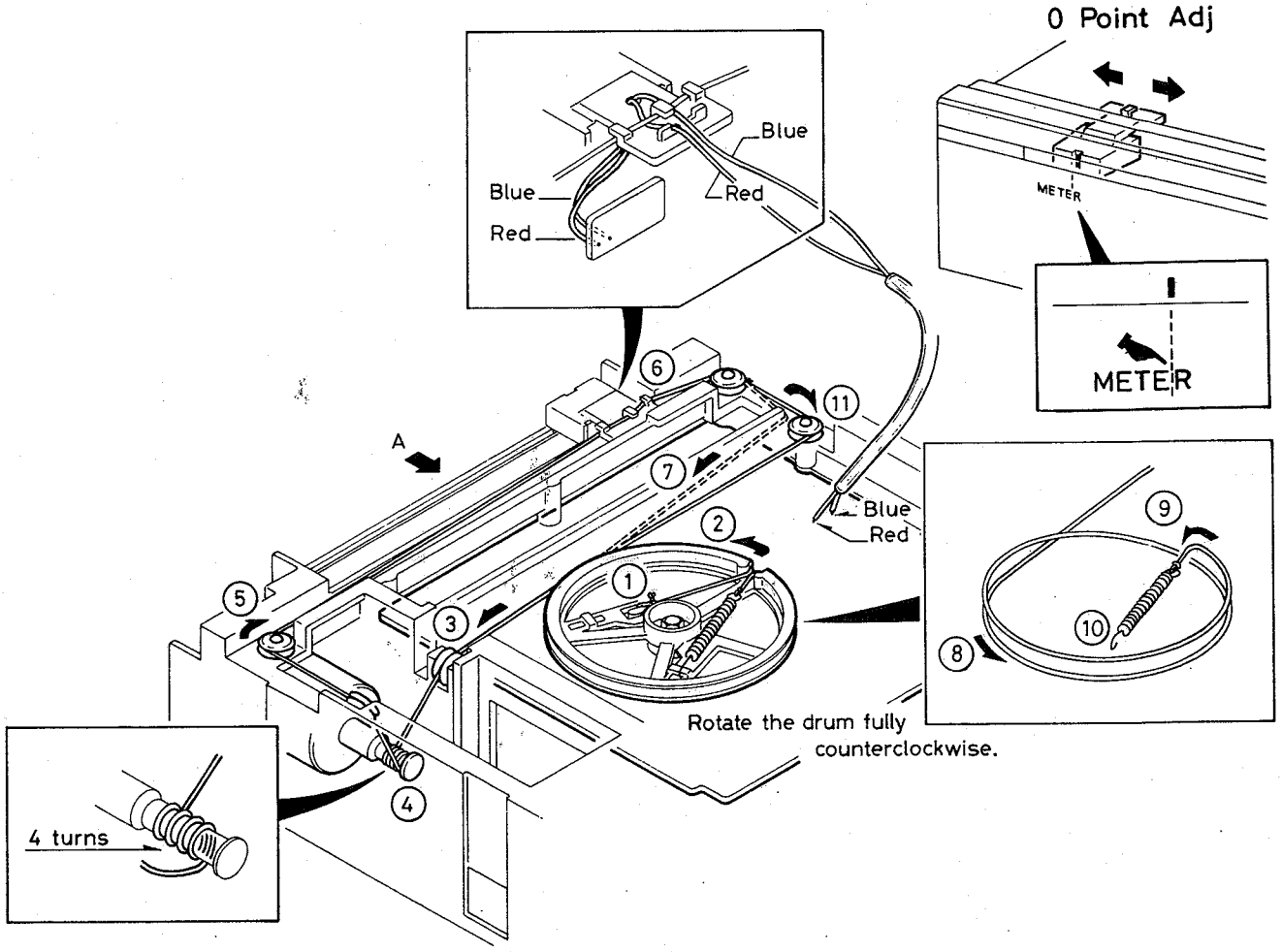
VIEW A

(2) As shown in illustration, hook the I.0. 14mm loop to the drum. String the free end of rope in the direction of ①, and advance stringing from ② to ③ and then to ④. At ④, coil the rope round ④ for four turns, and string through ⑤, ⑥, ⑦ and ⑧. Then coil around the drum for two turns in order of ⑨ and ⑩. Next, fasten the spring coil to the drum.

Finally, stretch thus strung rope to pass through ⑪.

(3) Adjustment of pointer postion

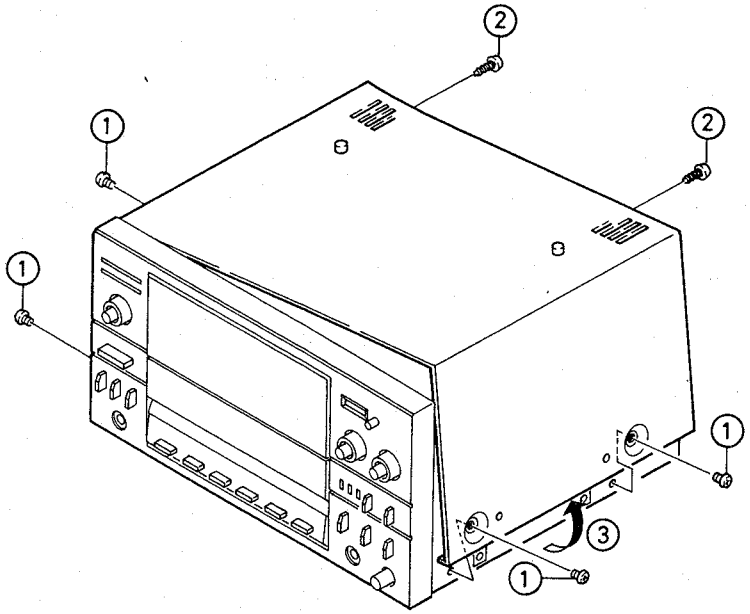
Agree the center of pointer LED with the vertical posistion of letter T of "METER" marked on the front panel.



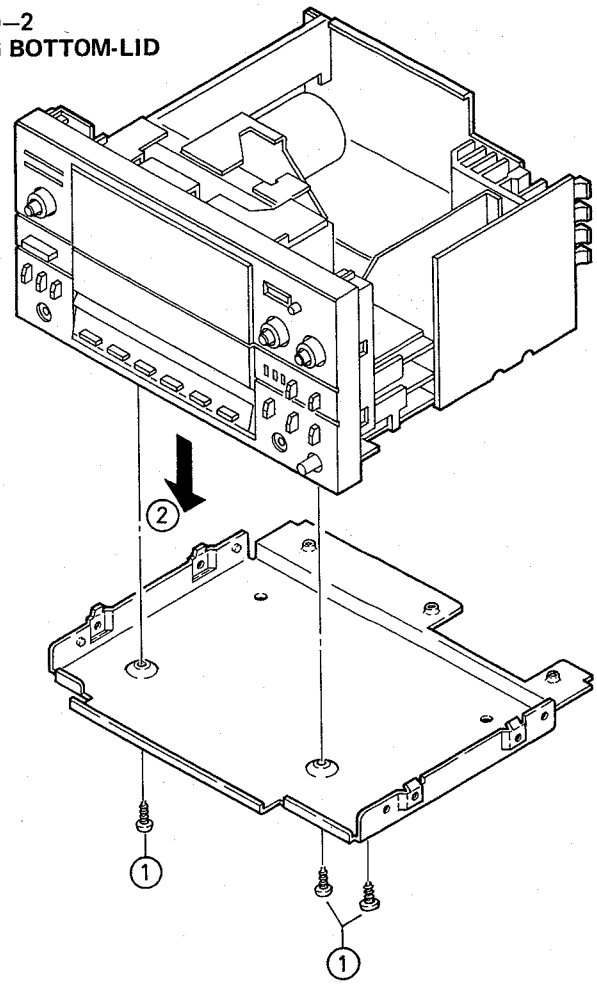
DISASSEMBLY (DECK/AMP UNIT)

Remove parts in order of disassembly as numbered.

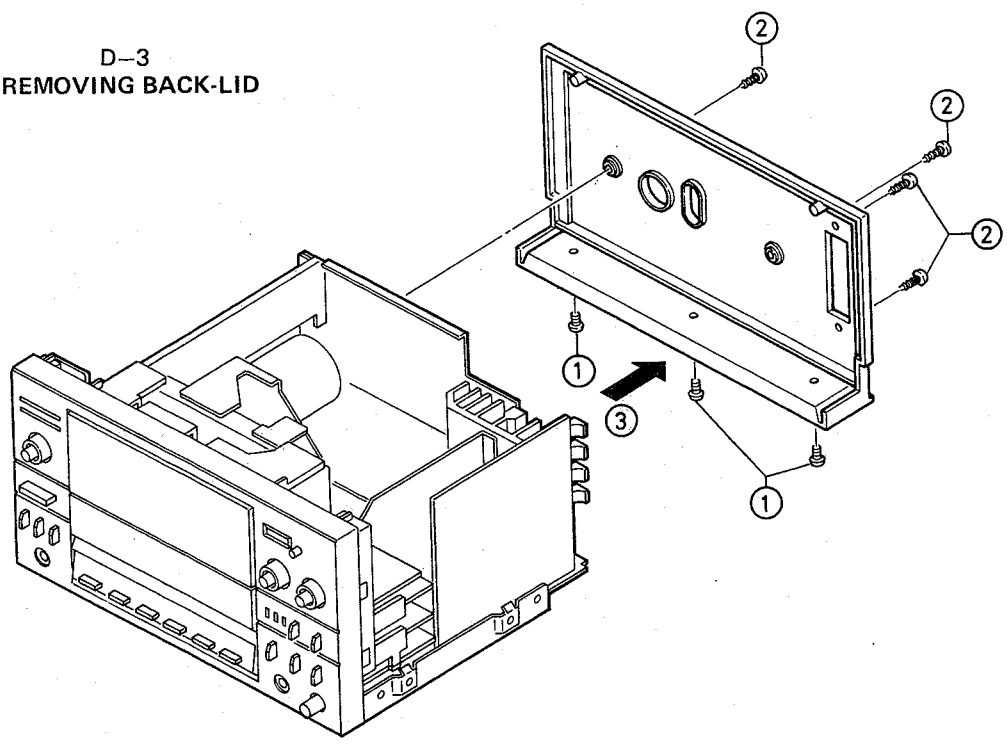
D–1
REMOVING CABINET



D–2
REMOVING BOTTOM-LID



D–3
REMOVING BACK-LID

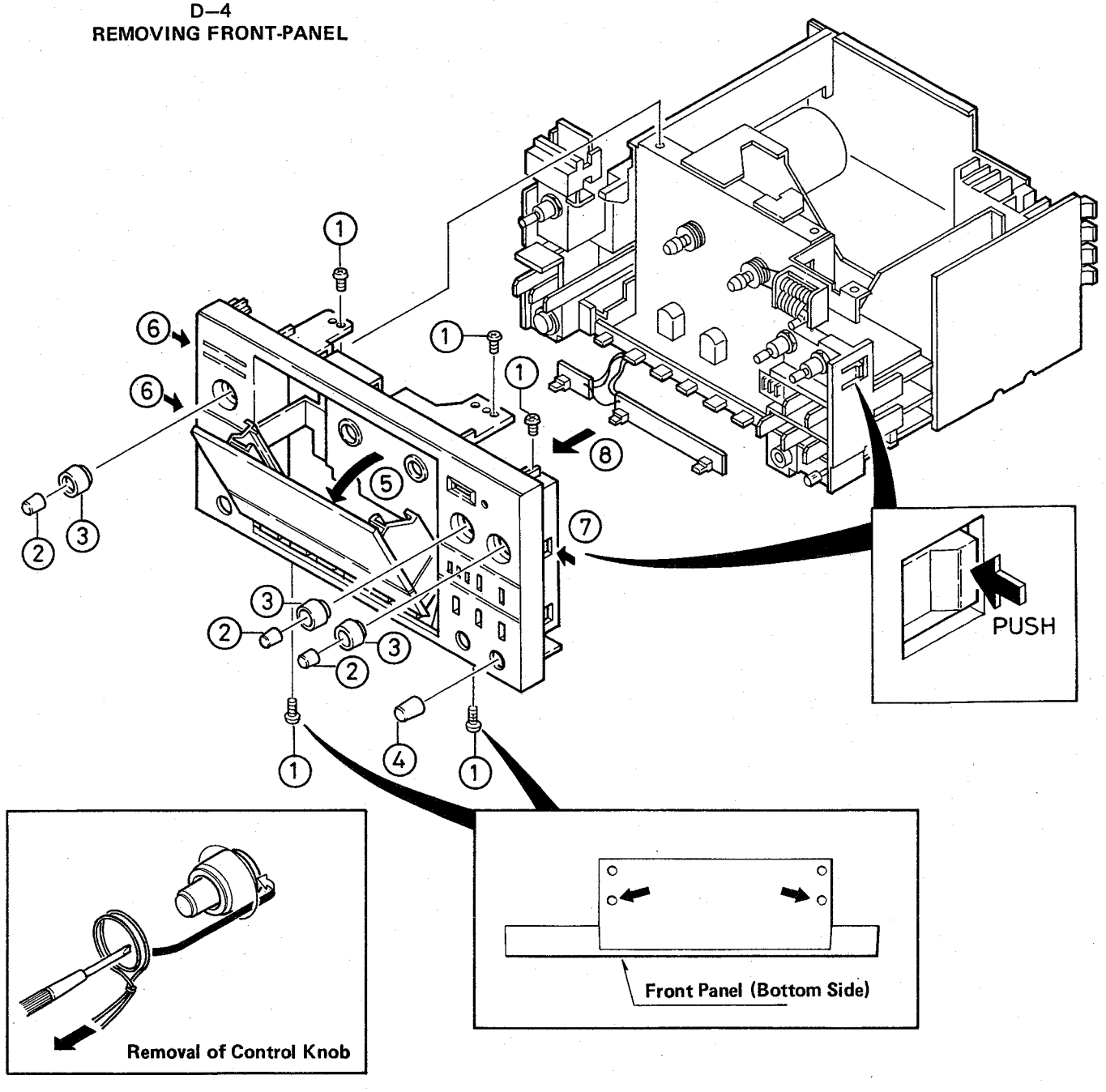


DISASSEMBLY (DECK/AMP UNIT)

Remove parts in order of disassembly as numbered.

Note: When removing or fitting the front panel, be careful not to cut lead wires. (See pages 5 & 6.)

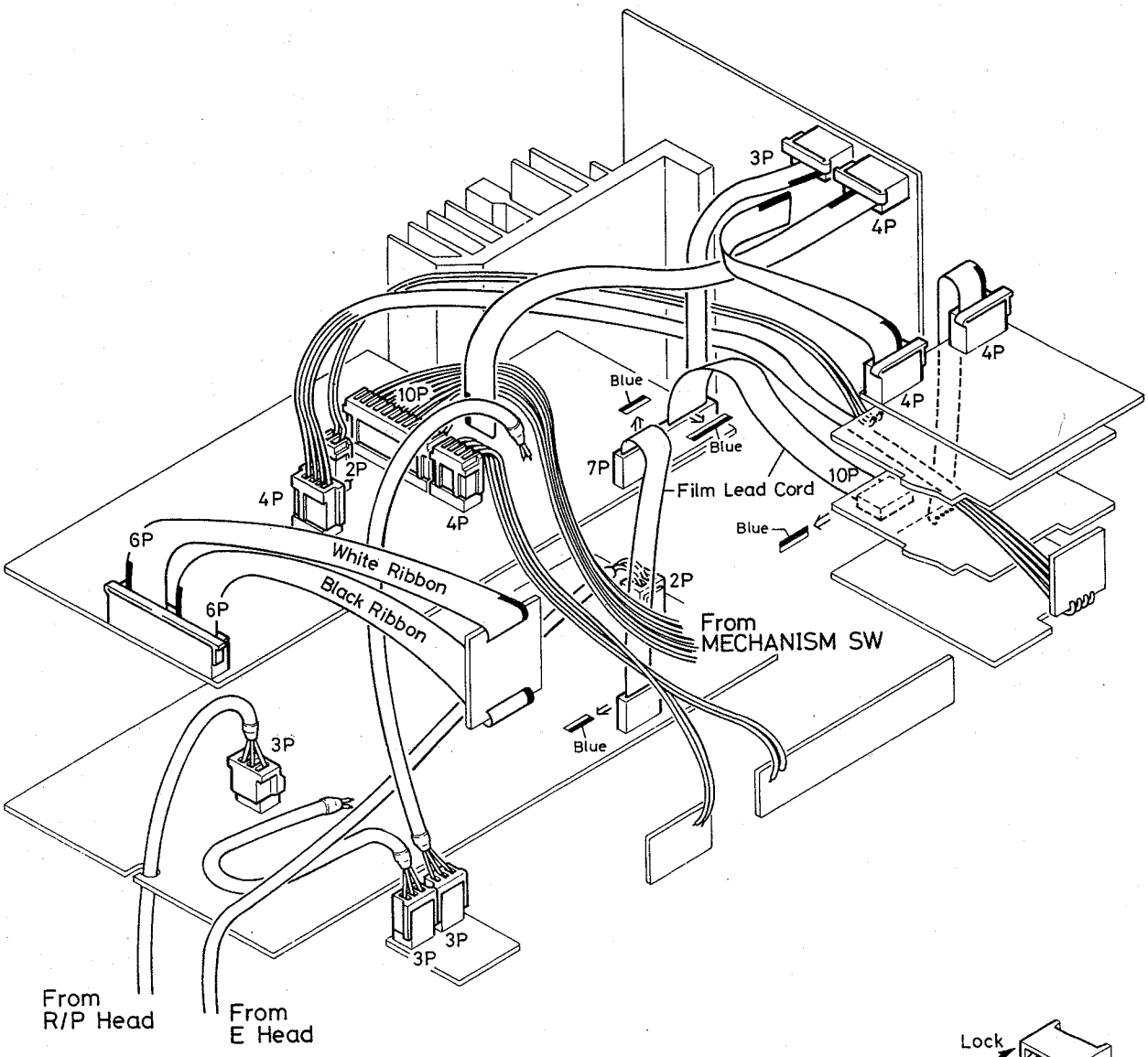
D–4
REMOVING FRONT-PANEL

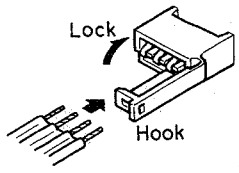


WIRE CONNECTION CHART

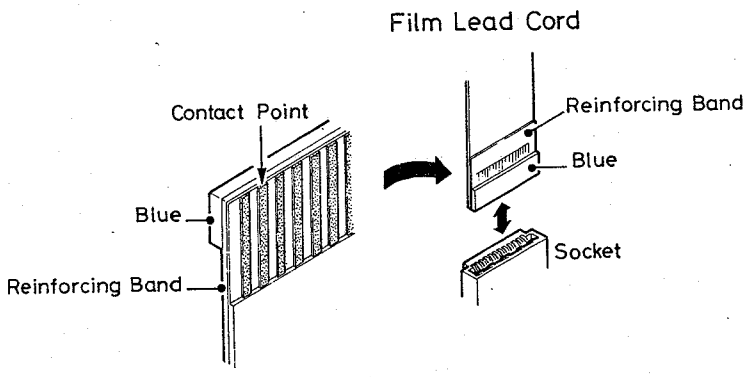
Note:

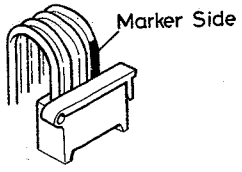
Disconnect lead wires with due attention given to method of removing each socket/plug.





Insert & Lock



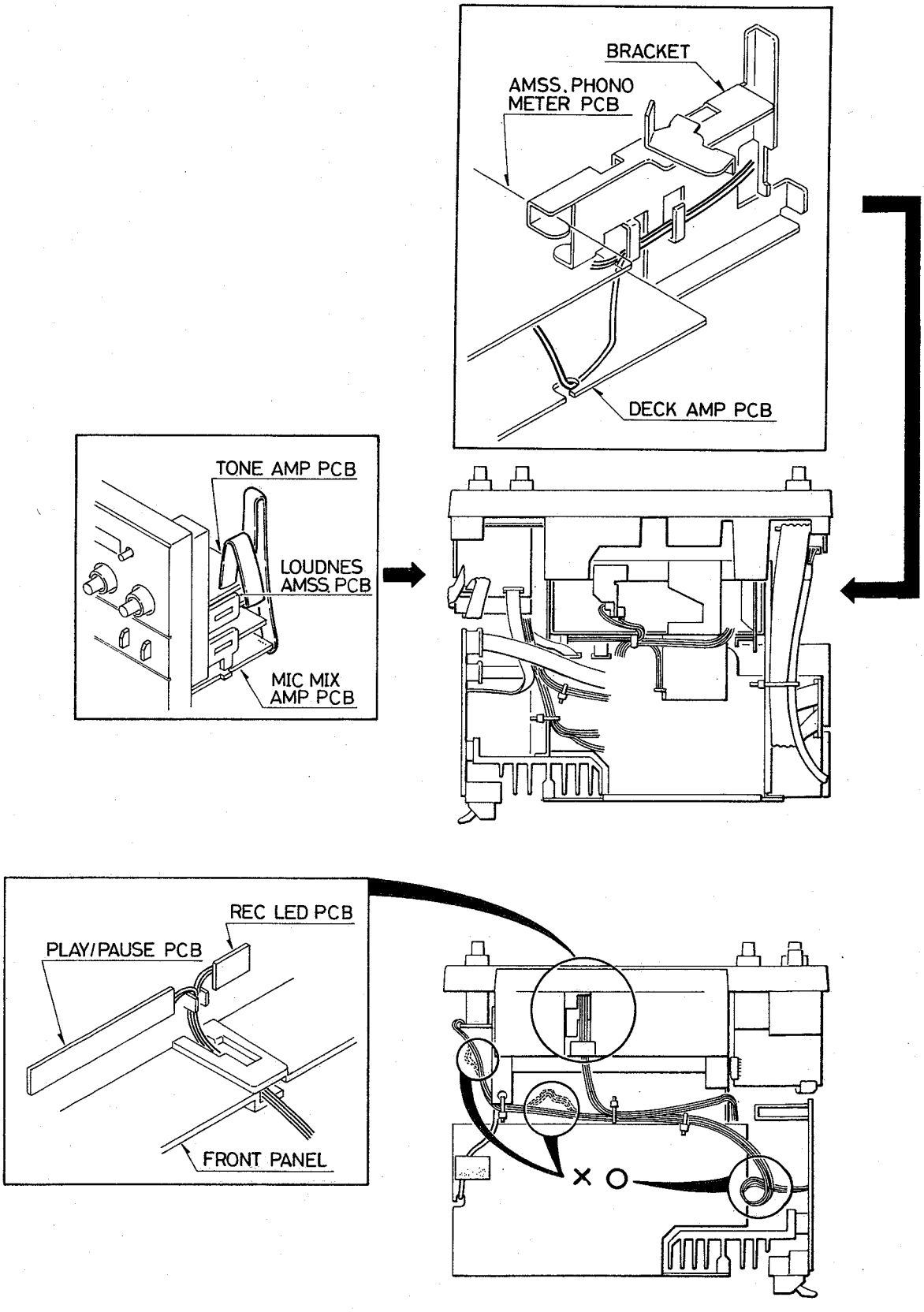


Marker Position

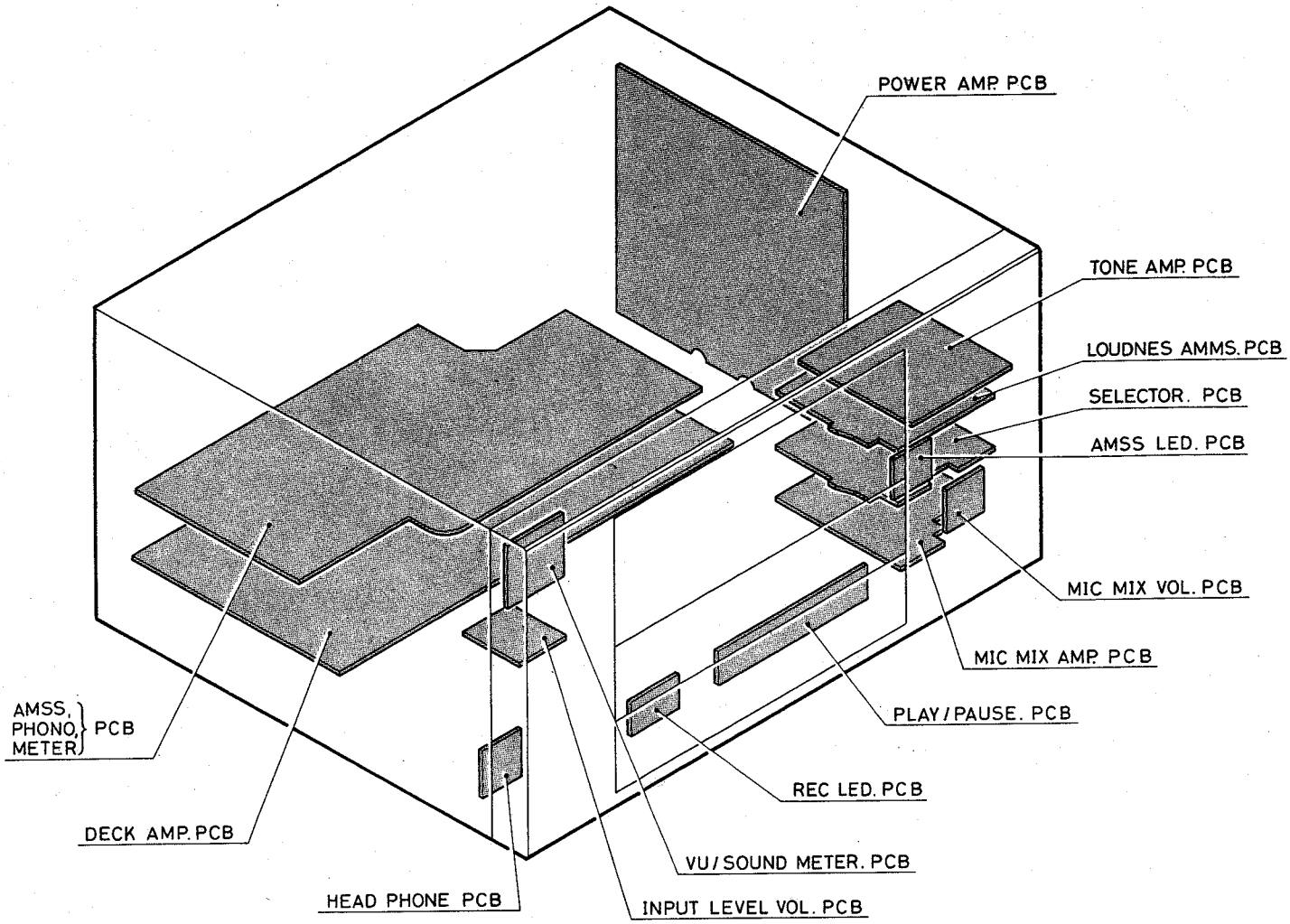
LEAD WIRES ARRANGEMENT

Note:

Unless lead wires are shaped properly as illustrated, they may break in reassembly or a malfunction may take place even if reassembled.



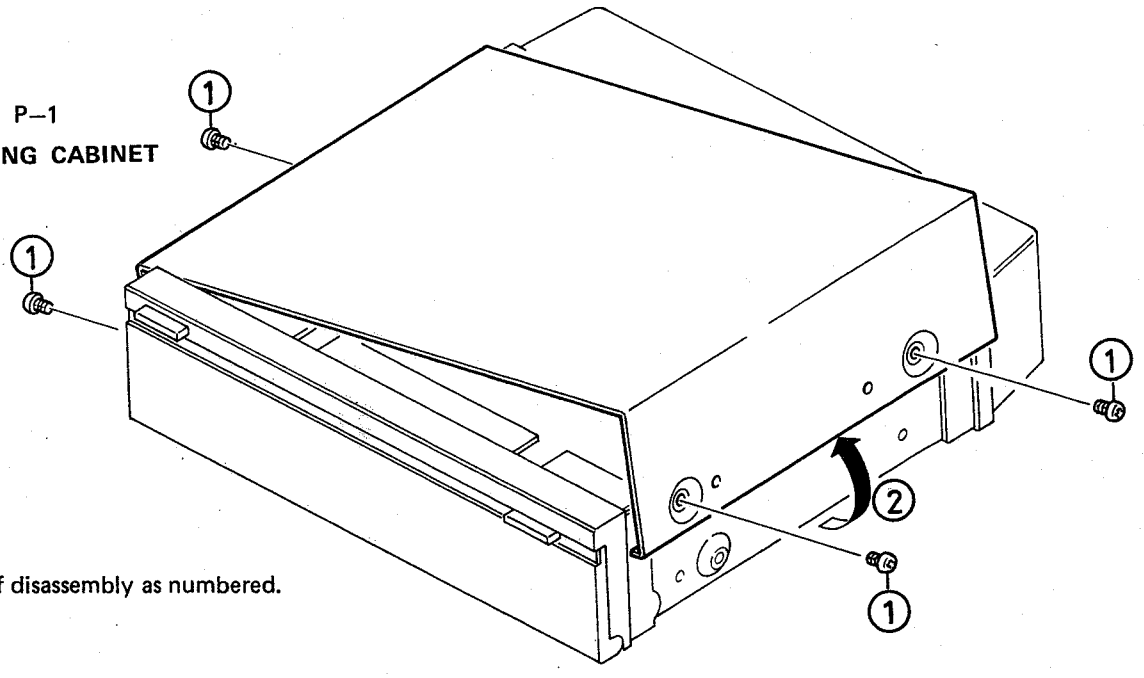
CIRCUIT BOARD ARRANGEMENT FIGURE



DISASSEMBLY (POWER SUPLLY UNIT)

P–1

REMOVING CABINET

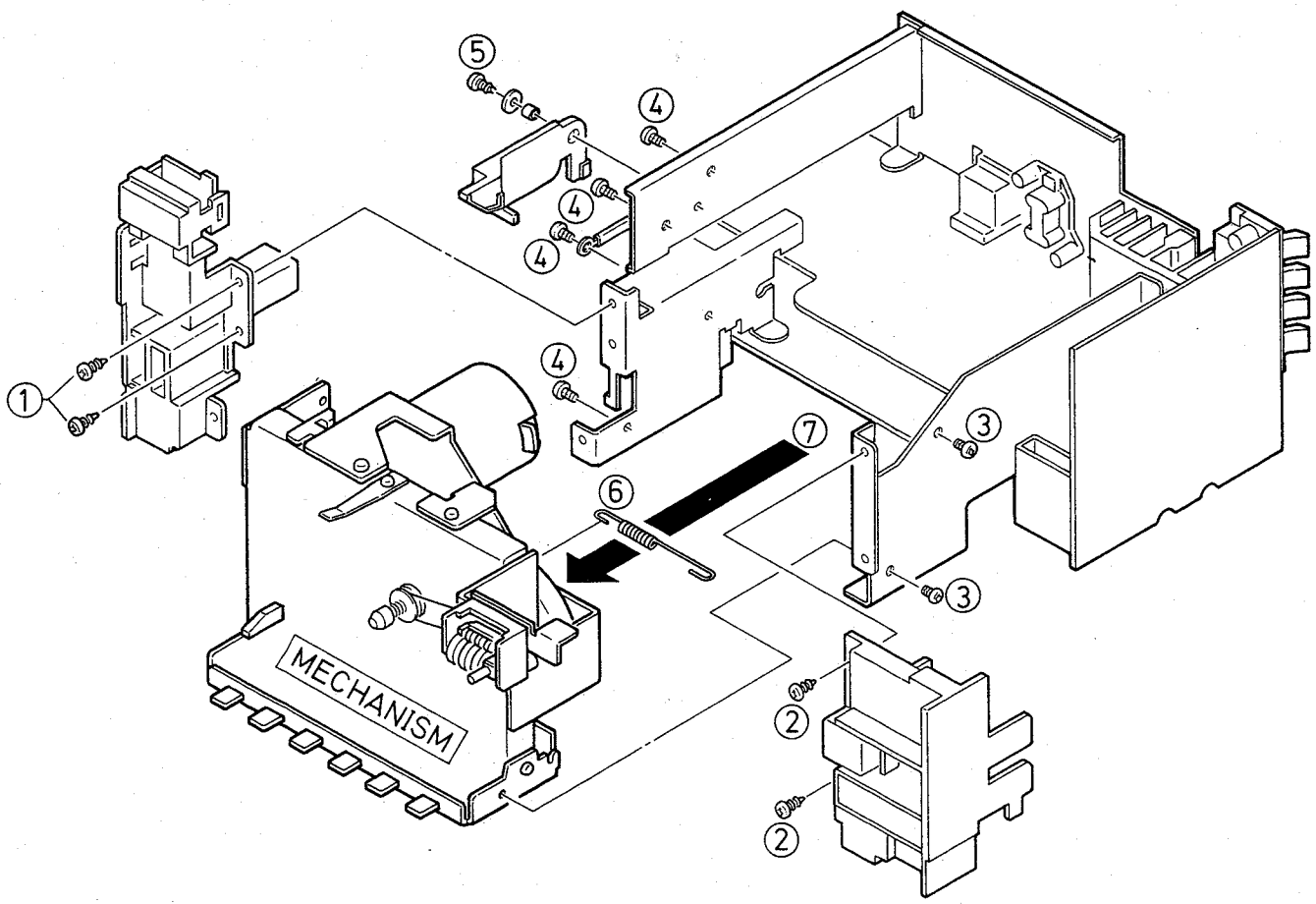


Remove parts in order of disassembly as numbered.

MECHANISM ADJUSTMENT

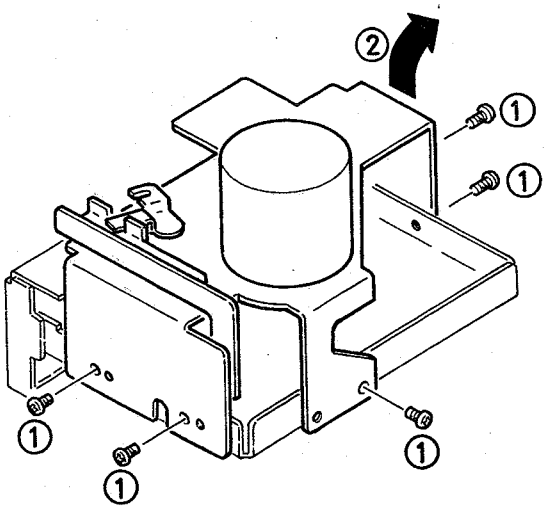
Remove parts in order of disassembly as numbered.

(1) REMOVING MECHANISM



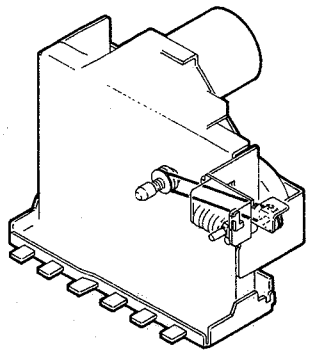
(2) MOTOR REPLACEMENT AND SPEED REGULATION

Play back the test tape (MTT-111, 3 kH for instance), and turn the SVR located on the back of motor with blade scredriver so that the frequency counter will indicate 3,000Hz.

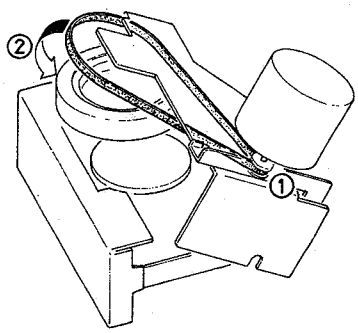


(3) BELT REPLACEMENT

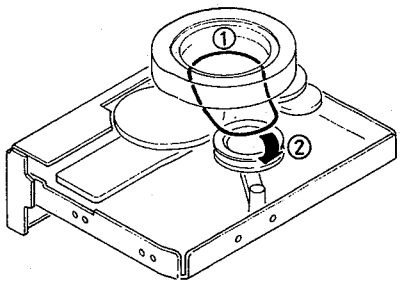
Square Belt, Counter



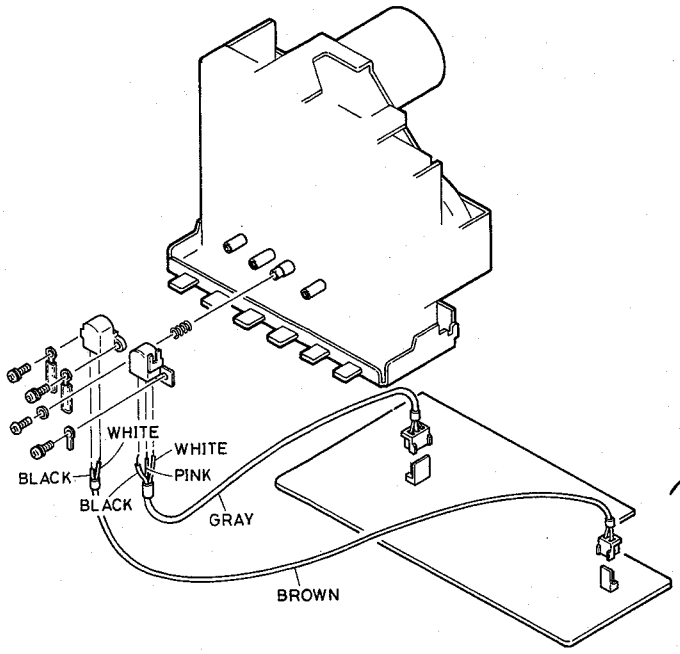
Flat Belt, Flywheel

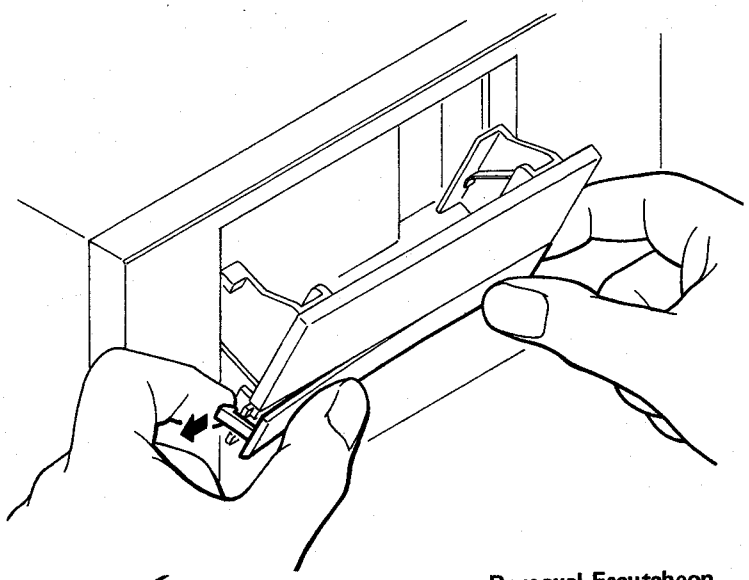


Square Belt, Idler

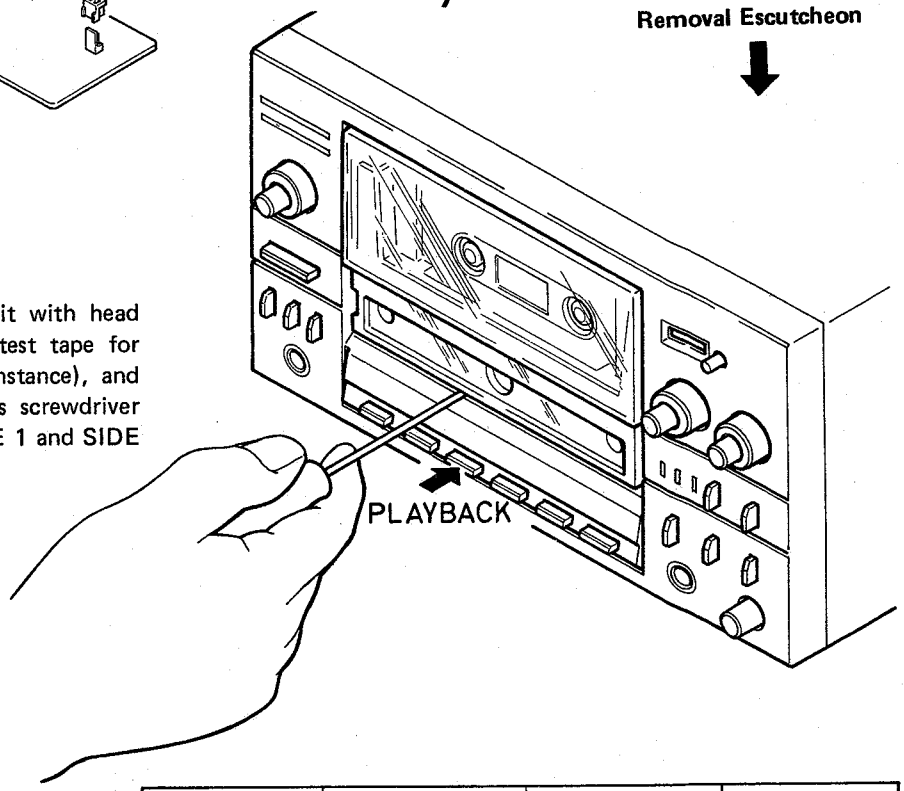


(4) HEAD REPLACEMENT AND AZIMUTH ADJUSTMENT





Removal Escutcheon



After replacing the head, demagnetize (clean) it with head cleanings and head silencer. Play back the test tape for azimuth adjustment (VTT-658, 10 kHz for instance), and turn the azimuth adjusting screw with Phillips screwdriver so that the left and right outputs of both SIDE 1 and SIDE 2 of cassette will be maximized.

(5) MECHANISM ADJUSTMENT

* Before measurement, clean the head, capstan and pinch roller.

* Check torque and tensions.

Measuring item	Take-up torque	Back tension	Tape tension
Measurement cassette	PLAY: TW-2111 F.FWD/REW: TW-2231	PLAY/F.FWD: TW-2111 REW: torque gauge	Drive power cassette TW-2412
PLAY	35 ~ 60 gr.cm	3 ~ 5 gr.cm	Greater than 180 gr.
F.FWD	90 ~ 130 gr.cm	3 ~ gr.cm	–
REW	90 ~ 130 gr.cm	4 ~ gr.cm	–

DECK/AMP ADJUSTMENT

Notes:

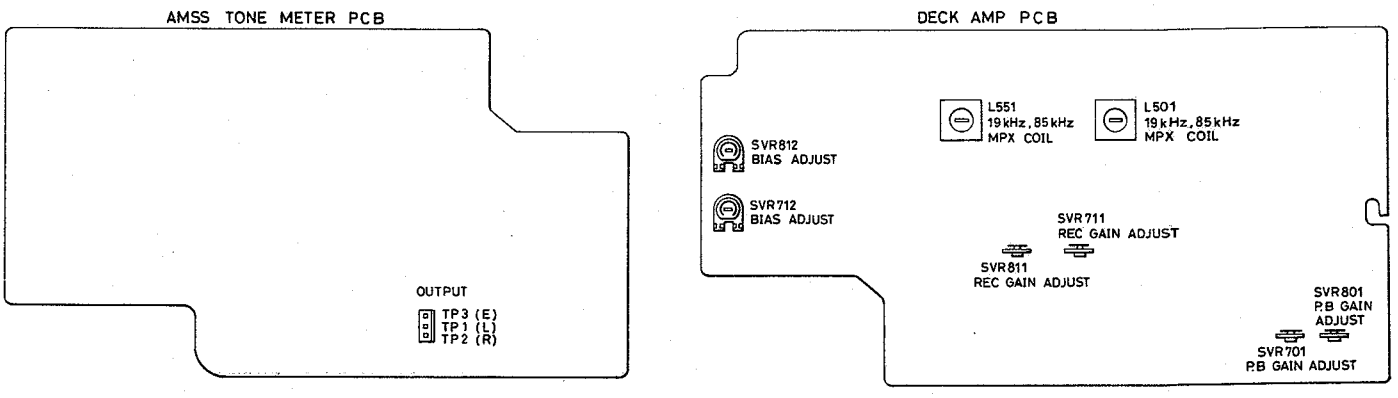
1. For adjustment, change over settings of switches, and controls to the following positions:
   REC. MUTE → OFF DOLBY NR → OFF LOUNDNESS → OFF
   METAL/NORMAL → NORMAL MIC MIX VOL. → Minimum
   BAL. → Central VOL. → Minimum TRE. → Central BASS → Central

2. Conditions of adjustment

Power Supply voltage:	DC 13.5V or use power supply unit.
Input point in recording:	Tuner DIN 69 input area.
Reference of recording level:	Set the attenuator so that 1V at the input point becomes 0 dB.
Setting of recording level control (INPUT LEVEL) :	Set the INPUT LEVEL control in such position that the recording monitor output which appears over TP1 (TP2) – TP3 interval when 1 kHz is recorded at –22 dB (79.5 mV) level becomes 390 mV.

ITEM OF ADJUSTMENT	TAPE USED	ADJUSTING METHOD
Reproducing output (P.B. GAIN)	DOLBY NR tape (MTT–150, for instance)	Reproduce DOLBY NR tape, and adjust SVR 701 (SVR 801) so that the reproducing output appearing over TP1 (TP2) ~ TP3 interval becomes 480 mV.
Recording / playback frequency response (BIAS)	Noiseless recording tape (AC 212, for instance)	Record 1 kHz and 10 kHz at –45dB (5.6 mV) level, and then reproduce recording. Adjust SVR 712 (SVR 812) so that reproducing output existing over the TA1 (TR2) ~ TR3 interval becomes 0 dB for 1 kHz or 0 ± 3 dB for 10 kHz.
Recording/reproducing output	Noiseless recording tape (AC 212, for instance)	Record 1 kHz at –25 dB (56.3 mV) level. Adjust SVR 711 (SVR 811) so that the reproducing output which appears at the TP1 (TR2) ~ TR3 interval when reproducing thus recorded becomes 340 mV.

PARTS LOCATION



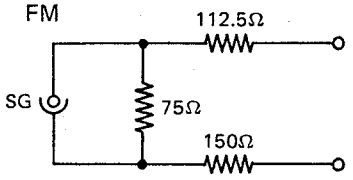
TUNER ADJUSTMENT

Notes:

1. Perform tuner adjustment under the condition of interconnecting units because the tuner unit will not singly operate basically in this Model.
2. For adjustment, change over setting of switches and controls to the following position:
   MODE → Stereo TAPE/TUNER/PHONO → TUNER LOUDNESS → Off
   BAL. → Central BASS → Central TRE → Central
3. For coverage adjustment, adjust basically the graduation of dial scale.
4. Use screwdriver with plastic grip for all adjustment.

GENERAL ADJUSTMENT CONDITIONS

Standard Output Level : 500 mW
Standard Modulation : FM 1KHz 75 KHz Dev. MW. LW. SW. 400Hz 30% Mod.
Load Impreadance : 2.5 ohm
Power Source : DC 13.5V
Dummy Antenna



MW. LW

I.R.E. Loop

SW

I.R.E DUMMY

MW ADJUSTMENT

Step	Adjustment	Connections		Postions of Tuning Dial	Parts of Adjustment	Standards of Adjustment	Adjustment for
		Input	Output				
1	IF	Connect AM SG to Loop ANT. terminals	Connect V.T.V.M. to Speaker terminals	Higher than 600 KHz	T151, 251	460 KHz Center frequency of Ceramic Filter	Maximum reading on V.T.V.M.
2	Tuning Coverage			Low End	L174	510 KHz	
				High End	CT–172	1650 KHz	
3	Tracking			600 KHz	L171	Max. Sensitivity	
				1400 KHz	CT–171		

LW ADJUSTMENT

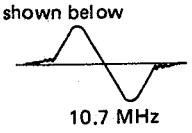
Step	Adjustment	Connections		Positions of Tuning Dial	Parts of Adjustment	Standards of Adjustment	Adjustment for
		Input	Output				
1	Tuning Coverage	Connect AM SG to Loop ANT. terminals	Connect V.T.V.M. to Speaker terminals	Low End	L164	140 KHz	Maximum reading on V.T.V.M.
				High End	CT 162 (VCT–4)	300 KHz	
2	Tracking			160 KHz	L161	Max. Sensitivity	
				280 KHz	CT–161 (VCT–3)		

SW ADJUSTMENT

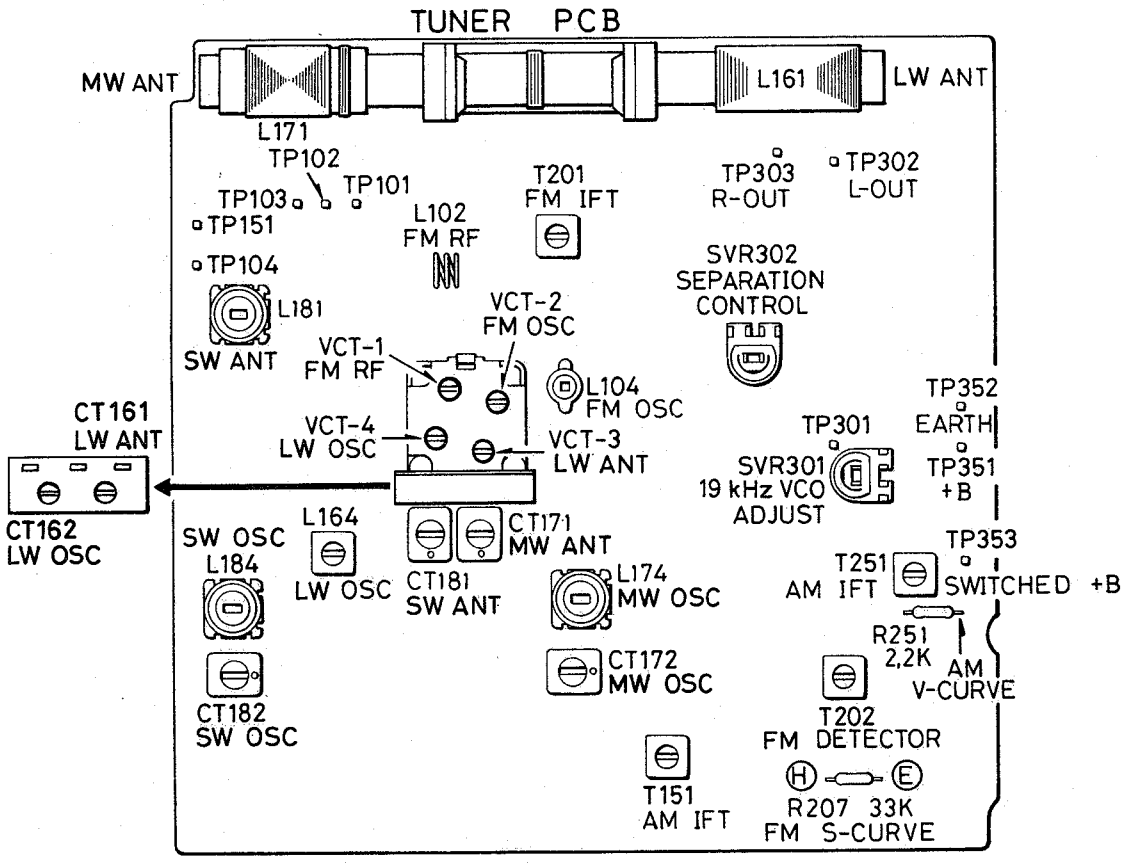
Step	Adjustment	Connections		Position of Tuning Dial	Parts of Adjustment	Standards of Adjustment	Adjustment for
		Input	Output				
1	Tuning Coverage	Connect AM SG to TP151 (H) and TP104 (E)	Connect V.T.V.M. to Speaker terminals	Low End	L184	5.7 MHz	Maximum reading on V.T.V.M.
				High End	CT182	18.6 MHz	
2	Tracking			6.5 MHz	L181	Max. Sensitivity	
				17 MHz	CT181		

TUNER ADJUSTMENT

FM ADJUSTMENT

Step	Adjustment	Connections		Position of Tuning Dial	Parts of Adjustment	Standards of Adjustment	Adjustment for
		Input	Output				
1	S–Curve	Connect Output terminals of FM IF SWEEP to TP101,102 (H) and TP104 (E)	Connect Input terminals of FM IF SWEEP to R207 (H) and TP352 (E)	98 MHz	T201,202	10.7 MHz Center frequency of Ceramic Filter	Wave form as shown below  10.7 MHz
2	Tuning Coverage	Connect FM SG to TP101,102 (H) and TP104 (E)	Connect V.T.V.M. to Speaker terminals	Low End	L104	87.4 MHz	Maximum reading on V.T.V.M.
				High End	VCT–2	108.3 MHz	
3	Tracking			90 MHz	L103	Max. Sensitivity	
				106 MHz	VCT–1		
4	V.C.O	Connect FM SG to ANT. terminals Input : 72 dBμ No modulation	Connect Frequency Counter to TP301 (H) and TP352 (E)	98 MHz	SVR 301	19±0.1 KHz	Adjust SVR301 to obtain 19.00 KHz display on Frequency Counter
5	Separation	Connect Stereo modulated FM SG to ANT. terminals Input : 72 dBμ	Connect V.T.V.M. to Speaker terminals of Right (or Left) Channel	98 MHz	SVR302	Best Separation	Adjust SVR302 to obtain Best Separation

PARTS LOCATION

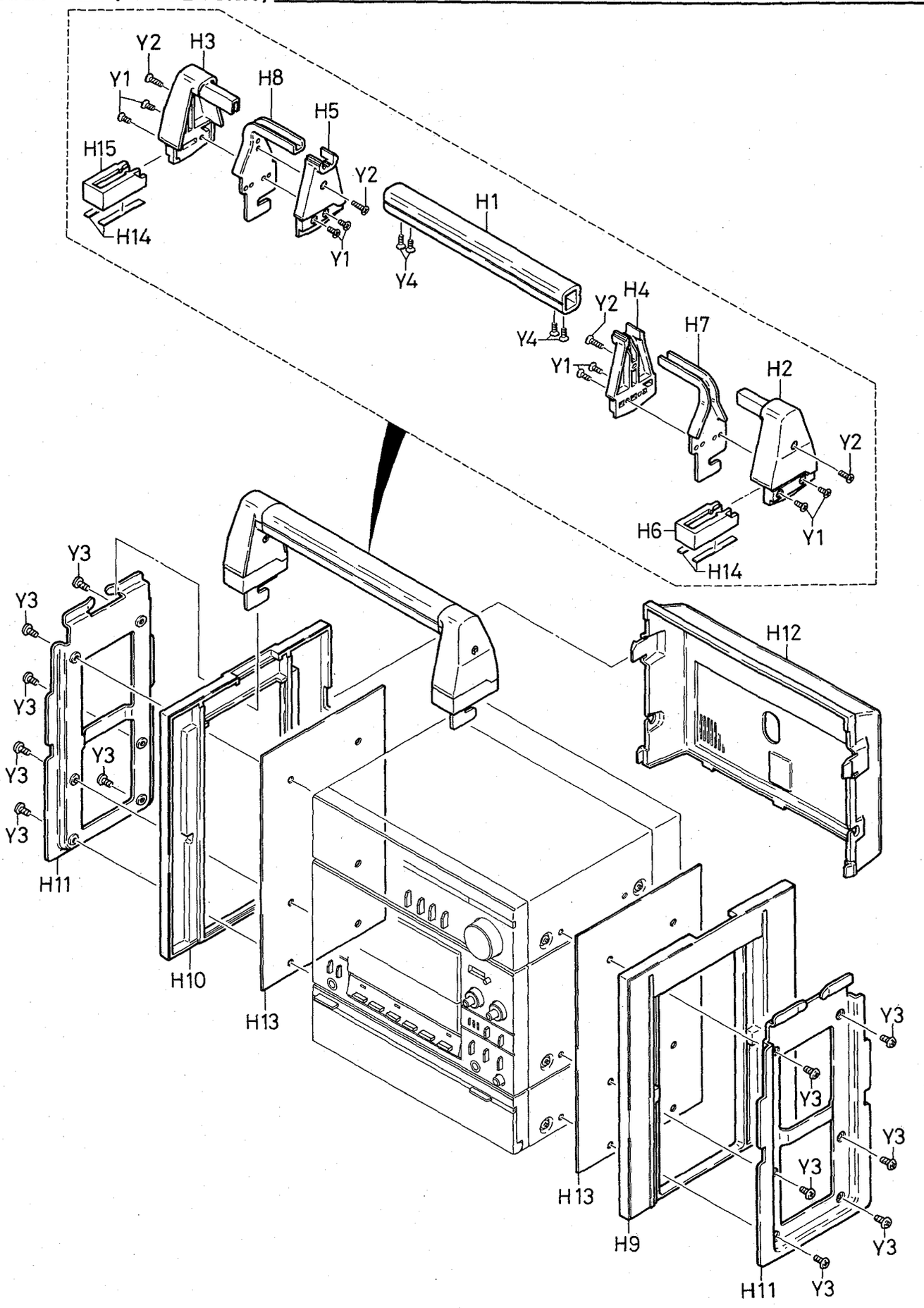


PARTS LIST

Key No.	Part No.	Description	Q'ty
PACKING			
	141-6-133T-26905	Individual Carton	1
	141-6-144T-73700	Form Plastic Case, Down	1
	141-6-144T-73800	Form Plastic Case, Up	1
	141-6-231T-50600	Inner Polye Cover, Set	1
	141-6-231T-25350	Inner Polye Cover, Accessory	1
	141-6-231T-35500	Inner POlye Cover, Speaker	2
	141-6-331T-12600	Protector Sheet, Set	2
	141-6-331T-10700	Protector Sheet, SP. Handle	3
	141-6-317T-40200	Pad, Inner	1
	141-6-317T-44600	Pad, SP.	1
	141-2-174T-08500	Stand, Felt	4
	141-6-415T-30100	Notice, FTZ	1
ACCESSORIES			
	141-6-410T-71800	Instrumtion Manual	1
	4-243T-77981	Power Cord	1
*** HANDLE UNIT**			
H1	141-2-171T-18201	Handle	1
H2	141-2-153T-75300	Escutcheon, R Out-side	1
H3	141-2-153T-75301	Escutcheon, L Out-side	1
H4	141-2-153T-75400	Escutcheon, R In-side	1
H5	141-2-153T-75401	Escutcheon, L In-side	1
H6	141-2-731T-94900	Slide, R	1
H7	141-2-271T-19200	Bracket, R Handle	1
H8	141-2-271T-19201	Bracket, L Handle	1
H9	141-2-352T-54100	Spacer, R	1
H10	141-2-352T-54101	Spacer, L	1
H11	141-2-310T-68301	Bracket	2
H12	141-2-135T-79200	Cover	1
H13	141-2-246T-95300	Sheet	2
H14	141-2-447T-13200	Cushion, Slide	4
H15	141-2-731T-94901	Slide, L	1
MOUNTING PARTS			
Y1	Oval Countersunk Hd. Screw 3 x 8		8
Y2	Oval Countersunk Hd. Screw 3 x 12		4
Y3	Binding Head Screw 4 x 10		12
Y4	Flat Head Tapping Screw 3 x 10		4
*** TUNER UNIT**			
CABINET			
T1	141-0-122T-41401	Front Panel ASS'Y	1
T2	141-2-111T-50100	Carbonet	1
T3	141-0-125T-26400	Bottom Lid Ass'y	1
T4	141-2-135T-78800	Cover, AM ANT	1
T5	141-2-163T-84200	Rotary Knob, Tuning	1
T6	141-2-163T-84300	Rotary Knob, Fine Tuning	1
T7	141-2-447T03900	Cushion 10x35	2

Key No.	Part No.	Description	Q'ty
CHASSIS			
T11	141-0-311T-39304	Chassis Ass'y	1
T12	141-2-161T-99600	Push Button	5
T13	141-2-538T-13300	Drum	1
T14	141-2-511T-22100	Pointer	1
T15	141-0-566T-12200	Tuning Shaft Ass'y	1
T16	141-2-340T-05000	Rope	1
T17	141-2-855T-85500	Spring Coil	1
T18	141-2-464T-39100	Fixer	1
ELECTRIC PARTS			
T51	4-243T-21800	Lead Cord	1
T52	4-244T-04571	Rod Antenna	1
T53	141-2-382T-16500	Terminal	1
T54	4-240T-25300	Socket	2
MOUNTING PARTS			
Y1		Pan Hd. Tapping Screw 2.3x6	1
Y2		Pan Hd. Tapping Screw W/Washer 3x20	1
Y3		Binding Hd. Screw 4x6	4
Y4		Binding Hd. Tapping Screw 3x8	9
Y5		Binding Hd. Tapping Screw 3x12	1
Y6		Binding Hd. Tapping Screw 3x20	1
Y7		Flat Hd. Tapping Screw 3x8	4
Y8		Hexagon Hd. Bold 2.6x12	1
Y9		Hexagon Nut 3	1
Y10		Thooth Lock Washer 3x6.5x0.45	1
TUNER PCB ASS'Y			
T71	141-4-250T-18604	P.C Board Ass'y, Tuner	1
L161,171, 155	4-257T-45601	Ant Coil Ass'y	1
CT1 ~ 4 VC1 ~ 4	4-224T-17700	Variable Capacitor	1
	4-238T-41100	Switch, Band Select, Mono/Stereo	1
	141-2-322T-18900	Shield Plate	
CT171 172	4-224R-11600	Trimmer, MW	2
CT181 182	4-224R-11600	Trimmer, SW	2
L102	4-265T-08200	VHF Coil, RF	1
L104	4-265T-51340	VHF Coil, FM OSC	1
L183	4-265R-00400	VHF Coil, SW	1
L101	4-257T-29740	ANT Coil, FM	1
L181	4-257T-46240	ANT Coil, SW	1
L174	4-258T-33440	OSC Coil, MW OSC	1
L164	4-258T-33340	OSC Coil, LW	1
L184	4-258T-33540	OSC Coil, SW	1
T201	4-256T-05140	IFT, FM 1st	1
T202	4-256T-05140	IFT, FM DET	1
T251	4-256T-24040	IFT, AM 1st	1
T252	4-256T-24140	IFT, AM 2nd	1
CF201,202	4-256T-80474	IF Filter, FM	2
CF251	4-256T-81171	IF Filter, AM	1
L153	4-253T-12720	Filter	1
L151	4-253T-12714	Filter	1
L154	4-253T-12725	Filter	1
L182	4-253T-12708	Filter	1
L103	4-253T-12714	Filter	1
L201	4-253T-12720	Filter	1
L152	4-253T-12716	Filter	1
SVR301	4-222T-81475	Semifixed Variable Resistor 10K	1
SVR302	4-222T-81472	Semifixed Variable Resistor 1K	1
Q101		Transistor FET 2SK212	1
Q102		Transistor 2SC2840 SP	1
Q103		Transistor 2SC930 Conv	1
Q151		Transistor 2SC2839 SP	1
Q161,162, 163		Transistor 2SC930 Conv	3
Q302,301		Transistor SC536 AUD	2
D301,302, 192		Diode DS442 X	3
D191,102		Varactor Diode 1S553	2

EXPLODED VIEW (HANDLE UNIT)



PARTS LIST

Key No.	Part No.	Description	Q'ty
TUNER PCB ASS'Y			
IC201		IC HA12421A	1
IC301		IC LA3361	1
	RESISTOR		
R102		Carbon 10 ohm ±5% ¼W	1
R103		Carbon 27K ohm ±5% ¼W	1
R104		Carbon 6.8K ohm ±5% ¼W	1
R105		Carbon 680 ohm ±5% ¼W	1
R106		Carbon 68 ohm ±5% ½W	1
R107		Carbon 56 ohm ±5% ½W	1
R112		Carbon 15K ohm ±5% ¼W	1
R113		Carbon 1.5K ohm ±5% ¼W	1
R114		Carbon 220 ohm ±5% ¼W	1
R115		Carbon 100K ohm ±5% ¼W	1
R116		Carbon 100K ohm ±5% ¼W	1
R150		Carbon 150 ohm ±5% ¼W	1
R151		Carbon 3.3K ohm ±5% ¼W	1
R152		Carbon 390K ohm ±5% ¼W	1
R154		Carbon 3.3K ohm ±5% ¼W	1
R155		Carbon 1K ohm ±5% ¼W	1
R156		Carbon 560 ohm ±5% ¼W	1
R161		Carbon 15K ohm ±5% ¼W	1
R163		Carbon 100 ohm ±5% ¼W	1
R164		Carbon 10 ohm ±5% ¼W	1
R165		Carbon 1.2K ohm ±5% ¼W	1
R166		Carbon 100 ohm ±5% ¼W	1
R171		Carbon 15K ohm ±5% ¼W	1
R173		Carbon 100 ohm ±5% ¼W	1
R174		Carbon 15 ohm ±5% ¼W	1
R175		Carbon 2.2K ohm ±5% ¼W	1
R176		Carbon 100 ohm ±5% ¼W	1
R180		Carbon 33 ohm ±5% ¼W	1
R181		Carbon 15K ohm ±5% ¼W	1
R183		Carbon 1.2K ohm ±5% ¼W	1
R184		Carbon 56 ohm ±5% ¼W	1
R185		Carbon 1.5K ohm ±5% ¼W	1
R186		Carbon 100 ohm ±5% ¼W	1
R191		Carbon 100K ohm ±5% ¼W	1
R192		Carbon 15K ohm ±5% ¼W	1
R193		Carbon 560 ohm ±5% ¼W	1
R202		Carbon 330 ohm ±5% ¼W	1
R203		Carbon 330 ohm ±5% ¼W	1
R204		Carbon 10K ohm ±5% ¼W	1
R205		Carbon 6.8K ohm ±5% ¼W	1
R206		Carbon 1M ohm ±5% ¼W	1
R207		Carbon 33K ohm ±5% ¼W	1
R251		Carbon 2.2K ohm ±5% ¼W	1
R252		Carbon 15K ohm ±5% ¼W	1
R301		Carbon 56 ohm ±5% ½W	1
R302		Carbon 3.3K ohm ±5% ¼W	1
R303		Carbon 3.3K ohm ±5% ¼W	1
R304		Carbon 2.2K ohm ±5% ¼W	1
R305		Carbon 1K ohm ±5% ¼W	1
R306		Carbon 2.2K ohm ±5% ¼W	1
R307		Carbon 6.8K ohm ±5% ¼W	1
R321		Carbon 8.2K ohm ±5% ¼W	1
R322		Carbon 8.2K ohm ±5% ¼W	1
R323		Carbon 560K ohm ±5% ¼W	1
R324		Carbon 220 ohm ±5% ¼W	1
R325		Carbon 1.8K ohm ±5% ¼W	1
R326		Carbon 4.7K ohm ±5% ¼W	1
R331		Carbon 8.2K ohm ±5% ¼W	1
R332		Carbon 8.2K ohm ±5% ¼W	1
R333		Carbon 560K ohm ±5% ¼W	1
R334		Carbon 220 ohm ±5% ¼W	1
R335		Carbon 1.8K ohm ±5% ¼W	1
R336		Carbon 4.7K ohm ±5% ¼W	1
R351		Carbon 1.5K ohm ±5% ¼W	1
	CAPACITORS		
C101		Ceramic 20pF 50V ±10%	1
C102		Ceramic 18pF 50V ±10%	1
C103		Ceramic 22pF 50V ±10%	1
C104		Ceramic 0.022μF 50V +80−20%	1

Key No.	Part No.	Description	Q'ty
TUNER PCB ASS'Y			
C106		Ceramic 2pF 50V ±0.25pF	1
C107		Ceramic 68pF 50V ±10%	1
C108		Ceramic 0.01μF 50V +80−20%	1
C111		Ceramic 0.01μF 50V +80−20%	1
C112		Ceramic 2pF 50V ±0.25pF	1
C113		Ceramic 15pF 50V ±5%	1
C114		Ceramic 20pF 50V ±5%	1
C115		Ceramic 33pF 50V ±5%	1
C116		Ceramic 15pF 50V ±5%	1
C117		Ceramic 0.01μF 50V +80−20%	1
C118		Ceramic 2pF 50V ±0.25pF	1
C121		Ceramic 0.047μF 50V +80−20%	1
C122		Ceramic 0.047μF 50V +80−20%	1
C131,132, 133		Ceramic 0.01μF 50V +80−20%	3
C150		Ceramic 10pF ±10%	1
C151		Ceramic 22pF 50V ±10%	1
C152		Ceramic 330pF 50V ±10%	1
C153		Ceramic 0.01μF 50V +80−20%	1
C154		Ceramic 0.01μF 50V +80−20%	1
C155		Ceramic 0.01μF 50V +80−20%	1
C156		Ceramic 10pF 50V ±10%	1
C161		Ceramic 39pF 50V ±0.5pF	1
C165		Ceramic 150pF 50V ±5%	1
C171		Ceramic 5pF 50V ±10%	1
C175		Ceramic 15pF 50V ±0.25pF	1
C181		Ceramic 3pF 50V ±0.5pF	1
C185		Ceramic 5pF 50V ±5%	1
C191		Ceramic 0.022μF 50V +80−20%	1
C193		Ceramic 10pF 50V ±10%	1
C194		Ceramic 0.047μF 50V +80−20%	1
C201		Ceramic 0.022μF 50V +80−20%	1
C202		Ceramic 0.022μF 50V +80−20%	1
C203		Ceramic 0.022μF 50V +80−20%	1
C204		Ceramic 0.022μF 50V +80−20%	1
C208		Ceramic 100pF 50V ±10%	1
C212		Ceramic 0.047μF 50V +80−20%	1
C221		Ceramic 0.022μF 50V +80−20%	1
C322		Ceramic 0.0015μF 50V ±10%	1
C323		Ceramic 0.001μF 50V ±10%	1
C332		Ceramic 0.0015μF 50V ±10%	1
C333		Ceramic 0.001μF 50V ±10%	1
C162		BC CON 0.01μF 25V ±20%	1
C163		BC CON 0.022μF 25V ±20%	1
C172		BC CON 0.01μF 25V ±20%	1
C173		BC CON 0.01μF 25V ±20%	1
C182		BC CON 0.0047μF 25V ±20%	1
C183		BC CON 0.0033μF 25V ±20%	1
C205		BC CON 0.022μF 25V ±20%	1
C207		BC CON 0.01μF 25V ±20%	1
C252		BC CON 0.01μF 25V ±20%	1
C253		BC CON 0.056μF 25V ±20%	1
C254		BC CON 0.015μF 25V ±20%	1
C304		BC CON 0.015μF 25V ±20%	1
C305		BC CON 0.015μF 25V ±20%	1
C306		BC CON 0.022μF 25V ±20%	1
C164		Styrol 250pF 50V ±5%	1
C174		PP CON 330pF 100V ±5%	1
C307		PP CON 1000pF 100V ±5%	1
C184		Mylar 0.0033μF 50V ±10%	1
C192		Electrolytic 0.47μF 50V	1
C206		Electrolytic 100μF 10V	1
C211		Electrolytic 4.7μF 25V	1
C222		Electrolytic 47μF 10V	1
C251		Electrolytic 1μF 50V	1
C255		Electrolytic 22μF 10V	1
C301		Electrolytic 100μF 10V	1
C302		Electrolytic 4.7μF 25V	1
C308		Electrolytic 1μF 50V	1
C311		Electrolytic 0.47μF 50V	1
C312		Electrolytic 2.2μF 50V	1
C313		Electrolytic 1μF 50V	1
C321		Electrolytic 0.47μF 50V	1
C324		Electrolytic 0.47μF 50V	1
C331		Electrolytic 0.47μF 50V	1
C334		Electrolytic 0.47μF 50V	1
STEREO LED PCB ASS'Y			
T72	141-4-250T-18700	P.C Board Ass'y Stereo LED	1
D303		LED SLP144B Red	1

PARTS LIST

Key No.	Part No.	Description	Q'ty
FINE TUNING PCB ASS'Y			
T73	141-4-250T-18800	P.C Board Ass'y, Fine Tuning	1
VR191	4-222T-96600	Variable Resistor 10K-B	1
POWER LED PCB ASS'Y			
T74	141-4-250T-18900	P.C Board Ass'y, Pointer LED	1
D351		LED SLP141B Red	1
TRIMMER PCB ASS'Y			
T75	141-4-250T-19000	P.C.Board Ass'y, Trimmer	1
CT161,163	4-224T-18200	Trimmer	2
ANTENNA PCB ASS'Y			
T76	141-4-250T-27902	P.C.Board Ass'y, Antenna	1
	4-235T-25300	Socket	1
L100	4-265R-00500	VHF Coil	1
*** DECK/AMP UNIT**			
CABINET & CHASSIS			
D1	141-2-111T-49900	Cabinet	1
D2	141-2-119T-01106	Back Panel	1
D3	141-0-125T-26100	Bottom Lid Ass'y	1
D4	141-0-122T-40800	Front Panel Ass'y	1
D5	141-2-163T-83900	Rotary Knob, TONE · BAL (Outer)	2
D6	141-2-853T-55100	Spring Plate	3
D7	141-2-163T-84000	Rotary Knob, TONE· VOL (Inner)	2
D8	141-2-163T-84100	Rotary Knob, Mic VR	1
D9	141-2-161T-99100	Push Button, Mechanism	6
D10	141-2-153T-73300	Escutcheon, Head	1
D11	141-2-124T-33100	Top Lid	1
D12	141-2-743T-72500	Lever	1
D13	141-0-224T-12500	Bracket Lid Ass'y	1
D15	141-2-754T-07400	Shaft	2
D16	141-2-855T-82600	Spring Coil	1
D17	141-2-210T-35700	Bracket, Gear	1
D18	141-2-853T-73900	Spring Plate	1
D19	141-0-581T-07100	Gear Ass'y	1
D20	141-2-310T-64900	Bracket, Gear	1
D21	141-2-210T-35500	Bracket, Left	1
D22	141-2-464T-39000	Fixer	3
D23	141-2-210T-35400	Bracket, Right	1
D24	141-2-310T-64500	Bracket, Mic VR	1
D25	141-2-310T-64700	Bracket, VR Earth L	1
D26	141-2-310T-64600	Bracket, VR Earth R	1
D27	141-2-315T-24300	Reinforcement, R	1
D28	141-2-315T-24400	Reinforcement, L	1
D29	141-2-315T-24500	Reinforcement, Back	1
D30	141-2-310T-64800	Bracket, Mechanism	1
D31	141-2-742T-72700	Lever, Eject	1
D32	141-2-462T-21500	Boss, Eject	1
D33	141-2-855T-80300	Spring Coil, Eject	2
D34	141-2-742T-72600	Lever, Eject Rock	1
D35	141-2-462T-69200	Boss, Eject Rock	1
D36	141-2-156T-30500	Knob, Eject Button	1
D37	141-2-253T-30000	Joint, Eject	1
D38	141-2-161T-99300	Push Button, Tape Select, DOLBY REC Mute	3
D39	141-2-253T-29800	Joint, Tape Select, DOLBY, REC Mute	3
D40	141-2-731T-91600	Slide, Rec	1
D41	141-2-742T-74700	Lever, Rec	1
D42	141-2-462T-68400	Boss, Rec	1
D43	141-2-855T-77600	Spring Coil, Rec Slide	1
D44	141-2-742T-72800	Lever, Rec SW.	1
D45	141-2-855T-82500	Spring Coil, Rec SW.	1
D46	141-2-161T-99200	Push Button, Function, AMSS, LOUDNESS	5
D47	141-2-464T-20671	Fixer	18
D48	141-2-472T-01001	Lug	1
D49	141-2-447T-46200	Cushion 15x25x3t	2
D50	141-2-453T-02200	Washer 3x10x0.5t	1
D51	141-2-163T-83901	Rotary Knob, Input Level (Outer)	1
D52	141-2-163T-84001	Rotary Knob, Input Level (Inner)	1

Key No.	Part No.	Description	Q'ty
MOUNTING PARTS			
Y1		Pan Hd. Screw 2x6	1
Y2		Pan Hd. Tapping Screw 2.3x6	6
Y3		Pan Hd. Tapping Screw 2.6x8	2
Y4		Pan Hd. Forming Screw 3x4	6
Y5		Pan Hd. Forming Screw 3x8	7
Y6		Bind Hd. Screw 3x6	2
Y7		Bind Hd. Screw 4x6	4
Y8		Binding Hd. Tapping Screw 3x8	30
Y9		Binding Hd. Tapping Screw 3x10	6
Y10		Bind Hd. Tapping Screw 3x12	2
Y11		Washer 3x8x1t	1
Y12		Thooth Lock Washer 3x6.5x0.45	2
ELECTRICAL PARTS			
D61	141-2-368T-23300	Heat Sink	1
D62	141-2-382T-10600	Terminal	1
D63	4-243T-21500	Lead Cord, 7p	1
D64	4-243T-21600	Lead Cord, 10p	1
D65	141-2-322T-70100	Shield Plate	1
D66	141-2-352T-55000	Spacer	1
DECK AMP PCB ASS'Y			
D71	141-4-250T-05000	P.C Board Ass'y , Deck Amp.	1
	4-238T-36500	Push Switch, REC/MUTE	1
	4-238T-23671	Switch, Dolby	1
	4-238T-23700	Switch, Tape Selector	1
	4-238T-36800	Switch, R/P	1
	4-231T-65200	Switch, Beat Cancel	1
	4-222T-71178	Semifixed Variable Resistor 100K	2
	4-222T-85876	Semifixed Variable Resistor 20K	4
L601	4-258T-28900	OSC Coil	1
L501,551	4-255T-02571	MX Coil	2
L712,812	4-255T-02371	MX Coil	2
L711,811	4-253T-01006	Hi-Frequency Choke Coil	2
L602	4-252T-06300	Choke Coil	1
	4-236T-19700	Plug, E Head	1
	4-236T-19771	Plug, R/P Head	1
	4-240T-17773	Socket	1
	4-240T-16800	Socket	1
IC501, 551		IC NE646B NY	2
IC701		IC LA3160T	1
Q713,813 714,814		Transistor 2SC536	4
Q711,811, 602,604, 605,606		Transistor 2SC945	6
Q712,812, 603		Transistor 2SD1012	3
Q601		Transistor 2SB808	1
D601,602, 603,604		Diode, DS442 X	4
	CAPACITORS		
C711,811		Electrolytic 1μF 50V	2
C713,813		Electrolytic 10μF 25V	2
C701,801, 706,806, 504,554		Electrolytic 4.7μF 25V	6
C506,556		Electrolytic 4.7μF 25V	2
C712,812		Electrolytic 4.7μF 25V	2
C501,551		Electrolytic 2.2μF 25V	2
C961		Electrolytic 220μF 16V	1
C509,559, 512,562		Electrolytic 10μF 16V	4
C515,963		Electrolytic 220μF 10V	2
C704,804, 962,601		Electrolytic 100μF 10V	4
C716,816		Electrolytic 1μF 50V	2
C514,564		Electrolytic 0.33μF 50V	2
C513,563		Electrolytic 0.1μF 50V	2
C607		PP CON 0.012μF 100V ±5%	1
C511,561		BC CON 0.047μF 25V ±5%	2
C705,805, 606		BC CON 0.033μF 25V ±5%	3
C510,560		BC CON 0.027μF 25V ±5%	2
C714,814		BC CON 0.022μF 25V ±5%	2

PARTS LIST

Key No.	Part No.	Description	Q'ty
DECK AMP PCB ASS'Y			
C507,557		BC CON 0.0056μF 25V ±5%	2
C508,558		BC CON 0.0047μF 25V ±5%	2
C603		BC CON 0.015μF 25V ±20%	1
C604,605		BC CON 0.0033μF 25V ±60%	2
C715,815		BC CON 0.027μF 25V ±5%	2
C703,803, 505,555, 602		Ceramic 0.001μF 50V ±10%	5
C702,802		Ceramic 680pF 50V ±10%	2
C717,817		Ceramic 470pF 50V ±10%	2
C502,552 718,818, 609		Ceramic 220pF 50V ±10%	5
C608		Ceramic 180pF 50V ±10%	1
	RESISTORS		
R961		FP-Carbon10 ohm ±5% ¼W	1
R601		Carbon 220 ohm ±5% ½W	1
R962		Carbon 47 ohm ±5% ½W	1
R963		Carbon 330 ohm ±5% ¼W	1
R602		Carbon 3.9 ohm ±5% ¼W	1
R702,802		Carbon 100K ohm ±5% 1/6W	2
R704,804		Carbon 4.7K ohm ±5% 1/6W	2
R703,803		Carbon 3.3K ohm ±5% 1/6W	2
R701,801		Carbon 56 ohm ±5% 1/6W	2
R705,805, 706		Carbon 22K ohm ±5% 1/6W	3
R508,558		Carbon 1M ohm ±5% 1/6W	2
R507,557		Carbon 270K ohm ±5% 1/6W	2
R505,555		Carbon 180K ohm ±5% 1/6W	2
R506,556		Carbon 47K ohm ±5% 1/6W	2
R501,551		Carbon 33K ohm ±5% 1/6W	2
R504,554		Carbon 3.3K ohm ±5% 1/6W	2
R503,553		Carbon 180 ohm ±5% 1/6W	2
R712,812		Carbon 47K ohm ±5% 1/6W	2
R711,811		Carbon 1K ohm ±5% 1/6w	2
R713,813		Carbon 5.6 ohm ±5% 1/6W	2
R714,814		Carbon 2.2K ohm ±5% 1/6W	2
R718,818		Carbon 150K ohm ±5% 1/6W	2
R722,822, 724,824		Carbon 33K ohm ±5% 1/6W	4
R717,817		Carbon 22K ohm ±5% 1/6W	2
R720,820		Carbon 10K ohm ±5% 1/6W	2
R721,821, 715,815		Carbon 4.7K ohm ±5% 1/6W	4
R716,816		Carbon 3.3K ohm ±5% 1/6W	2
R723,823		Carbon 2.7K ohm ±5% 1/6W	2
R719,819		Carbon 1.2K ohm ±5% 1/6W	2
R725,825		Carbon 5.6K ohm ±5% 1/6W	2
R605,607		Carbon 33K ohm ±5% 1/6W	2
R604,606, 608		Carbon 4.7K ohm ±5% 1/6W	3
R603,402		Carbon 1K ohm ±5% 1/6W	2
R401		Carbon 100 ohm ±5% 1/6W	1
R609		Carbon 5.6 ohm ±5% 1/6W	1
AMSS · PHONO · METER PCB ASS'Y			
D72	141-4-250T-05102	P.C Board Ass'y Amss, Phono, Meter	1
	4-240T-06800	Socket, Phono	1
	4-240T-08900	Socket, Tuner	1
	4-240T-17773	Socket	1
	4-240T-17776	Socket	1
	4-240T-16900	Socket	1
	4-240T-11278	Socket, Meler	1
	4-236T-19771	Plug	1
	4-236T-19700	Plug, AMSS SW	1
	4-236T-19772	Plug, Mecha AMSS Led	2
	4-236T-19776	Plug, Mecha	1
	4-252T-04700	Choke, L951	1
IC421		IC LC7510	1
IC741, 841		IC BA 6124	2
IC731		IC LA3160T	1
Q715,815		Transistor 2SD1012	2
Q741,841, 742,842, 423,424		Transistor 2SC536	6

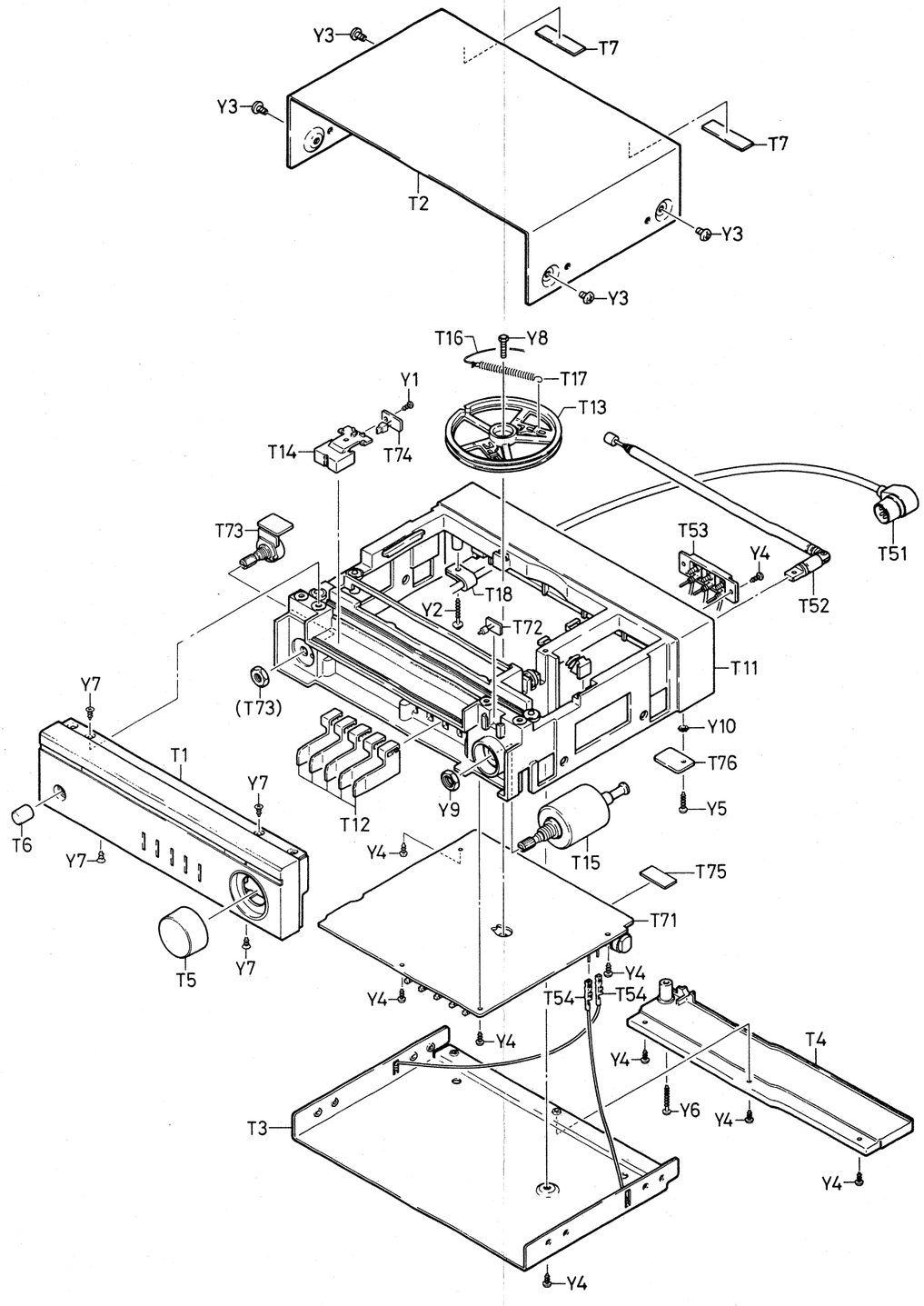
Key No.	Part No.	Description	Q'ty
AMSS · PHONO · METER PCB ASS'Y			
Q425,426, 427,429		Transistor 2SC536	4
Q401,402, 403,404, 421,422		Transistor 2SC945	6
Q405,428		Transistor 2SA608	2
Q951		Transistor 2SD400	1
Q743		Transistor 2SC945	1
D954		Zener Diode GZA12L	1
D424,427		Zener Diode GZA6.2L	2
D401		Zener Diode GZA4.7	1
D425		Diode DS135 E	1
D402,403 404,405, 406,407, 426,428, 429		Diode, DS442 X	9
	CAPACITORS		
C425		Electrolytic 1μF 50V	1
C741,841, 742,842,		Electrolytic 1μF 50V	4
C743,843		BC CON 0.047μF 25V	2
C421		Electrolytic 1μF 50V	1
C401,737, 837		Electrolytic 2.2μF 25V	3
C423,424		Electrolytic 1μF 50V	2
C430,732, 832		Electrolytic 4.7μF 25V	3
C952,951		Electrolytic 47μF 16V	2
C429,734, 834,942		Electrolytic 100μF 10V	4
C428,744, 844,941		Electrolytic 10μF 25V	4
C427		Electrolytic 1μF 50V	1
C422		Ceramic 0.001μF 50V ±10%	1
C953		Ceramic 0.022μF 50V +80−20%	
C403,404		Electrolytic 4.7μF 25V	2
C954		Electrolytic 1μF 50V	1
C426		BC CON 0.01μF 25V ±5%	1
C735,835		BC CON 0.039μF 25V ±10%	2
C736,836		BC CON 0.012μF 25V ±10%	2
C731,831, 733,833		Ceramic 100pF 50V ±10%	4
C943		Ceramic 0.01μF 50V +80−20%	1
	RESISTORS		
R951		FP-Carbon 1 ohm ±5% ¼W	1
R955		Carbon 1.5K ohm ±5% ¼W	1
R441		Carbon 180 ohm ±5% ¼W	1
R407		Carbon 390K ohm ±5% 1/6W	1
R742,842, 743,843		Carbon 390K ohm ±5% 1/6W	4
R403,404, 405,406		Carbon 100K ohm ±5% 1/6W	4
R411,728, 828		Carbon 22K ohm ±5% 1/6W	3
R726,826, 841		Carbon 10K ohm ±5% 1/6W	3
R409,412, 413,414		Carbon 10K ohm ±5% 1/6W	4
R725,825,		Carbon 5.6K ohm ±5% 1/6W	2
R410		Carbon 3.9K ohm ±5% 1/6W	1
R408		Carbon 1K ohm ±5% 1/6W	1
R707,807		Carbon 22Kohm ±5% 1/6W	2
R741,841		Carbon 15K ohm ±5% 1/6W	2
R427		Carbon 390K ohm ±5% 1/6W	1
R423		Carbon 56K ohm ±5% 1/6W	1
R421		Carbon 33K ohm ±5% 1/6W	1
R422		Carbon 22K ohm ±5% 1/6W	1
R446,447 448		Carbon 10K ohm ±5% 1/6W	3
R422,445		Carbon 4.7K ohm ±5% 1/6W	2
R425		Carbon 3.3K ohm ±5% 1/6W	1
R426		Carbon 1.2K ohm ±5% 1/6W	1

PARTS LIST

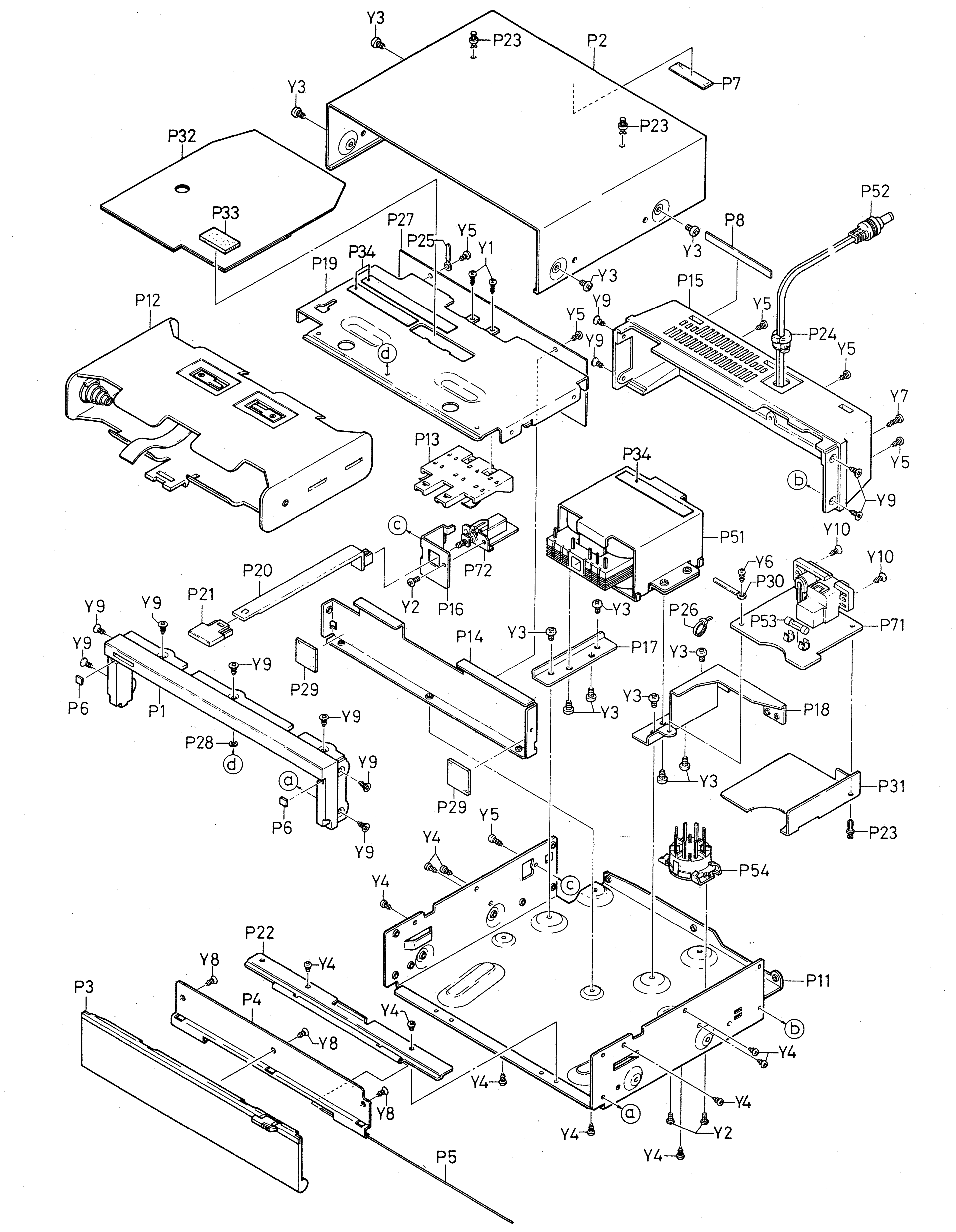
Key No.	Part No.	Description	Q'ty
AMSS · PHONO · METER PCB ASS'Y			
R424,415		Carbon 120 ohm ±5% 1/6W	2
R727,827		Carbon 27K ohm ±5% 1/6W	2
R429		Carbon 150K ohm ±5% 1/6W	1
R439		Carbon 12K ohm ±5% 1/6W	1
R434		Carbon 100K ohm ±5% 1/6W	1
R433,436		Carbon 47K ohm ±5% 1/6W	2
R443		Carbon 39K ohm ±5% 1/6W	1
R431		Carbon 1.2K ohm ±5% 1/6W	1
R438,442		Carbon 10K ohm ±5% 1/6W	2
R430,449		Carbon 3.9K ohm ±5% 1/6W	2
R440		Carbon 820 ohm ±5% 1/6W	1
R432		Carbon 2.2K ohm ±5% 1/6W	1
R435		Carbon 4.7K ohm ±5% 1/6W	1
R450		Carbon 5.6K ohm ±5% 1/6W	1
R953,954		Carbon 1.5K ohm ±5% 1/6W	2
R952		Carbon 560 ohm ±5% 1/6W	1
R956		Carbon 1K ohm ±5% 1/6W	1
R942		Carbon 220 ohm ±5% ¼W	1
R832,735, 835,737, 837		Carbon 100K ohm ±5% 1/6W	5
R736,836		Carbon 6.8K ohm ±5% 1/6W	2
R831		Carbon 1K ohm ±5% 1/6W	1
R734,834, 738,838		Carbon 560 ohm ±5% 1/6W	4
R733,833		Carbon 150 ohm ±5% 1/6W	2
R732		Carbon 100K ohm ±5% ¼W	1
R731		Carbon 1K bhm ±5% ¼W	1
R941		Metal 220 ohm ±5% 1W	1
R746,846		Carbon 820K ohm ±5% 1/6W	2
R748,848		Carbon 270K ohm ±5% 1/6W	2
R745,845		Carbon 150K ohm ±5% 1/6W	2
R744,844		Carbon 100K ohm ±5% 1/6W	2
R747,847		Carbon 68K ohm ±5% 1/6W	2
R479,849		Carbon 10K ohm ±5% 1/6W	2
R750,751, 752,753		Carbon 390 ohm ±5% 1/6W	4
R850,851, 852,853		Carbon 390 ohm ±5% 1/6W	4
R754		Carbon 2.2K ohm ±5% 1/6W	1
R755		Carbon 33K ohm ±5% 1/6W	1
R756		Carbon 27K ohm ±5% 1/6W	1
INPUT LEVEL VOL PCB ASS'Y			
D73	141-4-250T-05200	P.C Board Ass'y, Rec Volume	1
	4-222T-93800	Variable Resistor 50K(A) x 2	1
	4-236T-19771	Plug 3P	2
VU/SOUND/BATT METER PCB ASS'Y			
D74	141-4-250T-05300	P.C Board Ass'y, Meter	1
D741,841, 742,842, 743,843, 744,844, 745,845		LED SLP153B Red	10
PLAY/PAUSE LED PCB ASS'Y			
D75	141-4-250T-05400	P.C Board Ass'y, Mechanism LED	1
	4-240T-17100	Socket	1
D952,953		LED SLP151B B Red	2
REC LED PCB ASS'Y			
D76	141-4-250T-05500	P.C Board Ass'y, Mechanism LED	1
D951		LED SLP151B B Red	1
AMSS LED PCB ASS'Y			
D77	141-4-250T-05600	P.C. Board Ass'y, AMSS LED	1
	4-240T-17000	Socket	1
	141-2-210T-35600	Bracket	1
D421,422 423		LED SLP151B B Red	3

Key No.	Part No.	Description	Q'ty
SELECTOR PCB ASS'Y			
D78	141-4-250T-05700	P.C Board Ass'y, Selector	1
	4-238T-36600	Push Switch	1
	4-240T-17876	Socket 10P	1
MIC MIX AMP PCB ASS'Y			
D79	141-4-250T-05800	P.C. Board Ass'y, Mic Amp	1
	4-240T-13200	Socket, Mic	1
IC761		IC LA3160T	1
Q761		Transistor 2SC2320	1
	CAPACITORS		
C761,861, 769		Electrolytic 1µF 50V	3
C765,865, 767		Electrolytic 2.2µF 25V	3
C763,863		Electrolytic 10µF 16V	2
C931		Electrolytic 100µF 10V	1
C932		Electrolytic 47µF 10V	1
C768		Ceramic 220pF 50V ±10%	1
C762,862		Ceramic 100pF 50V ±10%	2
	RESISTORS		
R770		Carbon 1M ohm ±5% 1/6W	1
R767,867		Carbon 220K ohm ±5% 1/6W	2
R765,865		Carbon 100K ohm ±5% 1/6W	2
R761,861		Carbon 100K ohm ±5% 1/6W	2
R766,866		Carbon 47K ohm ±5% 1/6W	2
R763,863		Carbon 27K ohm ±5% 1/6W	2
R768		Carbon 15K ohm ±5% 1/6W	1
R772,774, 874		Carbon 10K ohm ±5% 1/6W	3
R764,874		Carbon 3.3K ohm ±5% 1/6W	2
R932		Carbon 1K ohm ±5% 1/6W	1
R771		Carbon 100 ohm ±5% 1/6W	1
R769,931, 773,873		Carbon 100 ohm ±5% 1/6W	4
R762,862		Carbon 18K ohm ±5% 1/6W	2
MIC MIX VOL PCB ASS'Y			
D80	141-4-250T-05900	P.C Board Ass'y, Mic Volume	1
	4-222T-93900	Variable Resistor 50K (B)	1
LOUDNESS AMSS SW PCB ASS'Y			
D81	141-4-250T-06000	P.C Board Ass'y, Loudness Amss SW	1
	4-238T-36700	Push Switch	1
	4-240T-17200	Socket	1
C782,882		BC CON 0.022µF 25V ±5%	2
C781,881		Ceramic Cap. 470pF 50V ±10%	2
R781,881		Carbon Res. 12K ohm ±5% 1/6W	2
TONE AMP PCB ASS'Y			
D82	141-4-250T-06100	P.C Board Ass'y, Tone Amp	1
	4-222T-94000	Variable Resistor, Balance	1
	4-222T-94100	Variable Resistor, Bass/Treble	1
	4-240T-11271	Socket	2
Q781,881		Transistor 2SC2320	2
	CAPACITORS		
C783,883		Electrolytic 1µF 50V	2
C785,885		Electrolytic 2.2µF 25V	2
C925		Electrolytic 100µF 10V	1
C787,887		Mylar 0.12µF 50V ±5%	2
C786,886		BC CON 0.027µF 25V ±5%	2
C789,889		BC CON 0.018µF 25V ±5%	2
C788,888		BC CON 0.0039µF 25V ±5%	2
C784,884		Ceramic 220pF 50V ±10%	2
	RESISTORS		
R784,884		Carbon 1M ohm 5% 1/6W	2
R783,883, 791,891		Carbon 220K ohm 5% 1/6W	4
R787,887		Carbon 15K ohm 5% 1/6W	2
R786,886		Carbon 4.7K ohm 5% 1/6W	2
R788,888		Carbon 3.3K ohm 5% 1/6W	2
R785,885		Carbon 1.8K ohm 5% 1/6W	2
R782,882		Carbon 1K ohm 5% 1/6W	2
R923		Carbon 560 ohm 5% 1/6W	1

EXPLODED VIEW (TUNER)



EXPLODED VIEW (POWER SUPLLY)

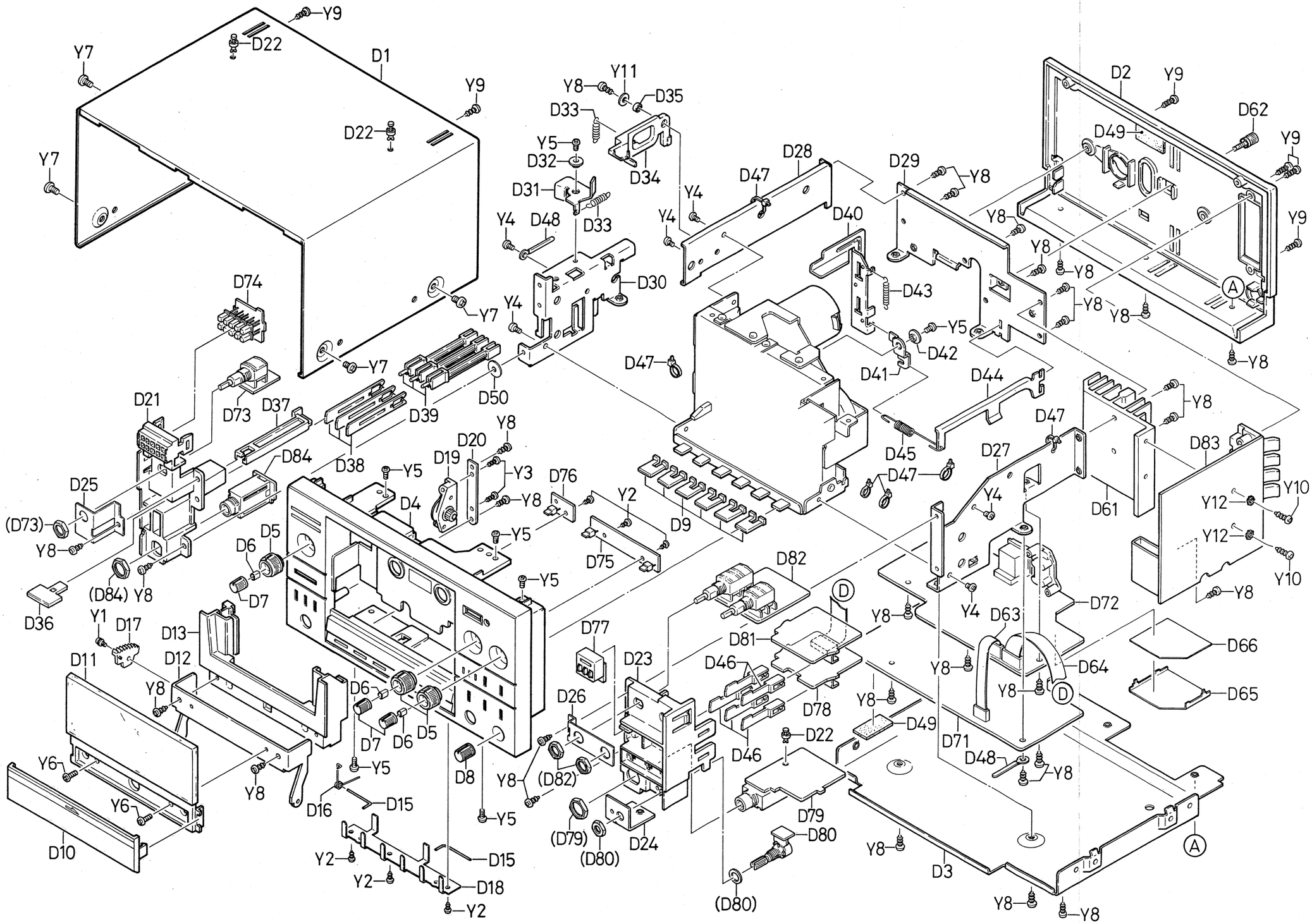


PARTS LIST

Key No.	Part No.	Description	Q'ty
POWER AMP PCB ASS'Y			
D83	141-4-250T-06201	P.C Board Ass'y, Power Amp	1
	4-237T-09900	Terminal Board, Speaker	1
	4-240T-21600	Socket, DC Socket	1
	4-240T-11200	Socket 3P	2
	141-2-368T-13800	Heat Sink	1
IC781		IC LA4440	1
Q921		Transistor 2SD880	1
Q451,452		Transistor 2SA608	2
Q782,882, 453		Transistor 2SC945	3
D453		Zener Diode GZA4.7	1
D922		Zener Diode GZA11L	1
D923		Diode DS130 TE	1
D921,451		Diode DS135E	2
D452		Diode DS442 X	1
	CAPACITORS		
C791,891		Electrolytic 1μF 50V	2
C924		Electrolytic 470μF 25V	1
C794,894		Electrolytic 100μF 25V	2
C454		Electrolytic 4.7μF 25V	1
C795,895		Electrolytic 1000μF 16V	2
C922		Electrolytic 470μF 16V	1
C923		Electrolytic 100μF 16V	1
C451		Electrolytic 470μF 10V	1
C453		Electrolytic 100μF 10V	1
C793		Electrolytic 47μF 10V	1
C452		Electrolytic 10μF 10V	1
C893		Electrolytic 47μF 10V	1
C796,896		Mylar 0.1μF 50V	2
C792		Ceramic 470pF 50V ±10%	1
C797,897		Ceramic 47pF 50V ±10%	2
C892		Ceramic 470pF 50V ±10%	1
C921	4-163T-08200	Electrolytic	1
	RESISTORS		
R921		FP-Carbon 2.7 ohm ±5% ¼W	1
R798,898		FP-Carbon 100 ohm ±5% ¼W	2
R459		Carbon 1K ohm ±5% ¼W	1
R796,896		Carbon 4.7 ohm ±5% ¼W	2
R797,897		Carbon 1K ohm ±5% ¼W	2
R457		Carbon 22K ohm ±5% ¼W	1
R793,893, 454		Carbon 100K ohm ±5% 1/6W	3
R451		Carbon 22K ohm ±5% 1/6W	1
R458		Carbon 33K ohm ±5% 1/6W	1
R452,453, 455		Carbon 22K ohm ±5% 1/6W	3
R792,892		Carbon 10K ohm ±5% 1/6W	2
R456		Carbon 1.2K ohm ±5% 1/6W	1
R794,894		Carbon 1K ohm ±5% 1/6W	2
R795,895		Carbon 150 ohm ±5% 1/6W	2
R922		Carbon 560 ohm ±5% 1/6W	1
HEADPHONE PCB ASS'Y			
D84	141-4-250T-06300	P.C Board Ass'y, Headphone	1
	4-240T-09175	Socket, Headphone	1
*** POWER SUPLLY UNIT**			
CABINET			
P1	141-2-122T-40901	Front Panel	1
P2	141-2-111T-50000	Cabinet	1
P3	141-0-133T-15800	Compartment Lid Ass'y	1
P4	141-0-310T-65500	Bracket Ass'y	1
P5	141-2-754T-09700	Shaft	1
P6	141-2-447T-71200	Cushion	2
P7	141-2-447T-03900	Cushion 10x35	1
P8	141-6-472T-14100	Caution Label	1
CHASSIS			
P11	141-0-125T-26300	Bottom Lid Ass'y	1
P12	141-0-331T-04700	Holder Battery Ass'y	1
P13	141-0-210T-35800	Bracket Ass'y, Battery Terminal	1
P14	141-2-315T-24600	Reinforcement	1

Key No.	Part No.	Description	Q'ty
CHASSIS			
P15	141-2-119T-01204	Back Panel	1
P16	141-2-310T-65200	Bracket, Power Switch	1
P17	141-2-310T-65300	Bracket, Trans L	1
P18	141-2-310T-65400	Bracket, Trans R	1
P19	141-2-310T-65600	Bracket, Battery, Case Up	1
P20	141-2-253T-30200	Joint, Power Switch	1
P21	141-2-161T-99400	Push Button, Power Switch	1
P22	141-2-251T-07400	Hinge	1
P23	141-2-464T-39000	Fixer	3
P24	141-2-464T-29700	Fixer, DC Cord	1
P25	141-2-472T-01001	Lug	1
P26	141-2-464T-20671	Fixer	1
P27	141-2-135T-81600	Cover	1
P28	141-2-453T-02101	Washer 3x10x0.3t Fiber	1
P29	141-2-447T-69303	Cushion 20x20x2t	2
P30	141-2-472T-01201	Lug	1
P31	141-2-135T-82500	Cover, PCB	1
P32	141-2-327T-25500	Insulator	1
P33	141-2-447T-46200	Cushion	1
P34	141-2-250T-01001	Double Face, 70mm 110mm	3
MOUNTING PARTS			
Y1		Pan Hd. Tapping Screw 2.6x6	2
Y2		Binding Hd. Screw 3x4	3
Y3		Binding Hd. Screw 4x6	16
Y4		Binding Hd. Tapping Screw 3x4	7
Y5		Binding Hd. Tapping Screw 3x6	4
Y6		Binding Hd. Tapping Screw 3x8	1
Y7		Binding Hd. Tapping Screw 3x12	1
Y8		Flat Hd. Tapping Screw 2.3x6	3
Y9		Flat Hd. Tapping Screw 3x6	11
Y10		Flat Hd. Tapping Screw 3x8	2
ELECTRICAL PARTS			
P51	4-300T-47000	Power Trans	1
P52	4-243T-22100	Lead Cord, DC Out	1
P53	4-234T-09991	Fuse 4A 250V	1
P54	4-238T-19171	Switch, Voltage Selector	1
DC POWER PCB ASS'Y			
P71	141-4-250T-06574	P.C Board Ass'y, DC Power	1
	4-235T-59871	Socket, AC, DC	1
	141-2-381T-04200	Bracket, Fuse	2
D901,902 903,904		Diode DSA17 C	4
C901,902, 903,904		Ceramic Cap. 0.047μF 50V +80−20%	4
POWER SWITCH PCB ASS'Y			
P72	141-4-250T-06600	P.C Board Ass'y, Power Switch	1
	4-238T-36978	Push Switch	1
C905		Ceramic Cap. 0.022μF 50V +80−20%	1
*** SPEAKER UNIT**			
SPEAKER			
S1	141-0-117T-04707	Speaker Box Comp, Right	1
s1	141-0-117T-04701	├Speaker Box Ass'y, Right	1
s2	141-2-141T-68602	├Rating Plate	1
s3	141-2-210T-37400	├Bracket	1
s4	141-2-310T-68000	├Bracket	1
s5	141-2-174T-08501	├Stand	4
s6	4-243T-21900	└Lead Cord	1
S1'	141-0-117T-04706	Speaker Box Comp. Left	1
s1'	141-0-117T-04700	├Speaker Box Ass'y, Left	1
s2'	141-2-141T-68602	├Rating Plate	1
s3'	141-2-210T-37400	├Bracket	1
s4'	141-2-310T-68000	├Bracket	1
s5'	141-2-174T-08501	├Stand	4
s6'	4-243T-21900	└Lead Cord	1
S2	141-0-122T-41804	Front Panel Ass'y, Right	2
S3	141-2-352T-57200	Spacer	2
S4	141-2-242T-02600	Lattice	2
S5	141-2-153T-75500	Escutcheon	2

EXPLODED VIEW (DECK/AMP)

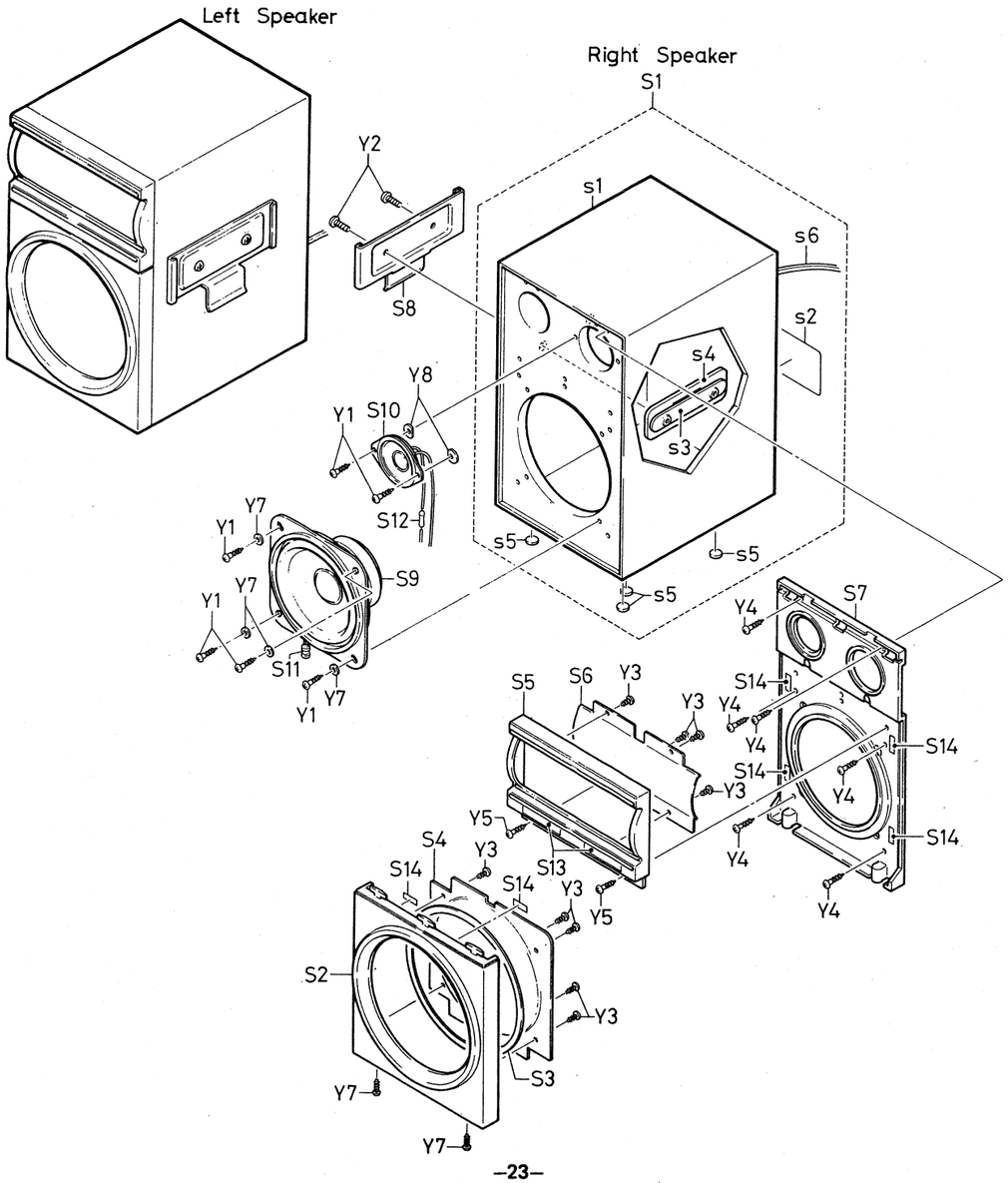


PARTS LIST

Key No.	Part No.	Description	Q'ty
SPEAKER			
S6	141-2-242T-02700	Lattice	2
S7	141-2-153T-75700	Escutcheon, Right	1
S7'	141-2-153T-75701	Escutcheon, Left	1
S8	141-2-310T-68101	Bracket	2
S9	4-151T-38400	Speaker, Woofer	2
S10	4-151T-37000	Speaker, Tweeter	2
S11	4-253T-01011	Hi-Frequency Choke Coil	2
S12		Carbon Res. 47 ohm ±5% 1/4W	2
S13	141-2-244T-20200	Net 10 x 40	4
S14	141-2-447T-00800	Cushion 4x15	12
S15	141-2-453T-04600	Washer	4

Key No.	Part No.	Description	Q'ty
MOUNTING PARTS			
Y1		Pan Hd. Tapping, Screw 3x12	12
Y2		Binding Hd. Screw 4x14	4
Y3		Binding Hd. Tapping, Screw 3x6	16
Y4		Round Hd. Wood Screw 3.1x13	12
Y5		Round Hd. Wood Screw 3.1x16	4
Y6		Oral Countersunk Hd. Tapping Screw 3x12	4
Y7		Washer 3x6x0.5t	8

EXPLODED VIEW (SPEAKER)



PARTS LIST

Key No.	Part No.	Description	Q'ty
MECHANISM (M)			
M1	141-0-311T-37200	Chassis Ass'y	1
M2	141-2-742T-62700	Lever, REV	1
M3	141-2-742T-62800	Lever, CUE	1
M4	141-2-462T-67400	Boss. M2.M3.M5 Mtg.	3
M5	141-2-742T-62900	Lever, Pause	1
M6	141-2-742T-62600	Lever, Play Prevention	1
M7	141-2-851T-56100	Spring Coil, N33 Mtg.	1
M8	141-2-530T-00800	Guide, Tape	2
M9	141-2-853T-72900	Spring Plate, Head Slide Pressure	1
M10	141-0-731T-89100	Slide Ass'y, Head	1
M11	141-2-742T-66300	Lever, Rev & Cue Idler Release	1
M12	141-2-855T-74900	Spring Coil, Head Return	1
M13	141-2-855T-74800	Spring Coil, N34 Return	1
M14	141-2-853T-71000	Spring Plate, Head Slide Pressure	1
M15	141-2-462T-68700	Boss, M11 Mtg.	1
M16	141-0-531T-13300	Reel Plate Ass'y, Left	1
M17	141-0-531T-13301	Reel Plate Ass'y, Right	1
M18	141-2-731T-83900	Slide, Brake	1
M19	141-2-712T-03401	Brake Shoe	2
M20	141-2-852T-68100	Spring Wire, M18 Pressure	1
M21	4-242T-27500	E Head	1
M22	141-2-472T-09500	Lug. M21 Mtg.	2
M23	4-242T-25371	R/P Head	1
M24	123-2-472R-00200	Lug. R/P Head Earth	1
M25	141-2-851T-54500	Spring Coil, Head Azimuth	1
M26	141-2-855T-74700	Spring Coil, Pinch Roller	1
M27	141-0-545T-07200	Lever Pinch Raller Ass'y	1
M28	141-2-742T-66500	Lever, M27 Mtg.	1
M29	4-240T-20200	Socket, R/P Head. 3P	1
M30	4-238T-31200	Switch Play S8	1
M31	141-2-352T-50300	Spacer, M32 Mtg.	1
M32	141-2-737T-08200	Bracket Slide, Button Suport	1
M33	141-2-365T-55000	Bracket Switch, M34 Mtg.	1
M34	4-238T-35200	Switch, Stop/Muting S11	1
M35	141-2-855T-76300	Spring Coil, N66 Return	1
M36	141-2-742T-60300	Lever, M32 Mtg.	2
M37	141-2-462T-67200	Bass. M32 Mtg.	2
M38	141-2-742T-70900	Lever, Trigger Actuating	1
M39	141-2-462T-69800	Boss, M38 Mtg.	1
M40	4-238T-37800	Switch, Trigger S6	1
M41	141-2-855T-76100	Spring Coil, Slide Return	6
M42	141-2-855T-80500	Spring Coil, M43 Return	6
M43	141-2-731T-92500	Slide, M44. M45. M46 Mtg.	6
M44	141-2-731T-92300	Slide, REC	1
M45	141-2-731T-90901	Slide, REW/STOP/PAUSE	3
M46	141-2-731T-90900	Slide, F.FWD/PLAY	2
M47	141-2-731T-87700	Slide, Lock Release	1
M48	141-2-855T-74500	Spring Coil, M47 Return	1
M49	141-2-731T-87800	Slide, Timer Stand-by	1
M50	141-2-855T-53200	Spring, Coil, M49 Mtg.	1
M51	141-2-853T-71100	Spring Plate, Cassette Pressure	1
M52	141-0-731T-89200	Slide Ass'y, Safety Recording	1
M53	141-2-462T-67800	Boss, M52 Mtg.	2
M54	141-2-855T-05000	Spring Coil, M52 Pressure	1
M55	141-2-811T-10100	Counter	1
M56	141-2-812T-10700	Bracket Counter	1
M57	141-2-564T-25800	Square Belt, Counter	1
M58	4-240T-20300	Socket, E Head 2P	1
M59	4-240T-21900	Socket, Switch Lead 10P	1
M60	141-2-490T-00600	Tube, 2x20mm, M22 Mtg.	2
M61	141-2-345T-00400	Steel Ball, 2mm	6
MECHANISM (N)			
N1	4-527T-17371	Motor, DC9V	1
N2	141-0-661T-76208	Pulley Motor Ass'y	1
N3	141-2-445T-11801	Rubber Cushion, Motor Mtg.	3
N4	141-2-421T-27500	Special Screw, Motor Mtg.	3
N5	141-0-378T-11700	Bracket Motor Ass'y	1
N6	4-237T-10600	Terminal Board, N5 Mtg.	1
N7	141-2-472T-01201	Lug. Lead Fixer	2
N8	141-0-742T-70800	Lever Ass'y, Play Eject Stop	1
N9	141-2-561T-05272	Flat Belt, Flywheel	1
N10	141-0-521T-12123	Flywheel Ass'y	1
N11	141-2-564T-23972	Square Blet, Idler Drive	1
N12	141-0-573T-13600	Bearing Ass'y, Flywheel	1
N13	141-2-581T-19600	Gear, Cam	1
N14	141-2-581T-19500	Gear, Auto Stop Relay	1
N15	141-2-581T-19100	Gear, Auto Stop Select	1
N16	141-0-551T-03620	Idler Ass'y PLAY	1
N17	141-2-855T-75600	Spring Coil, N16 Return	1

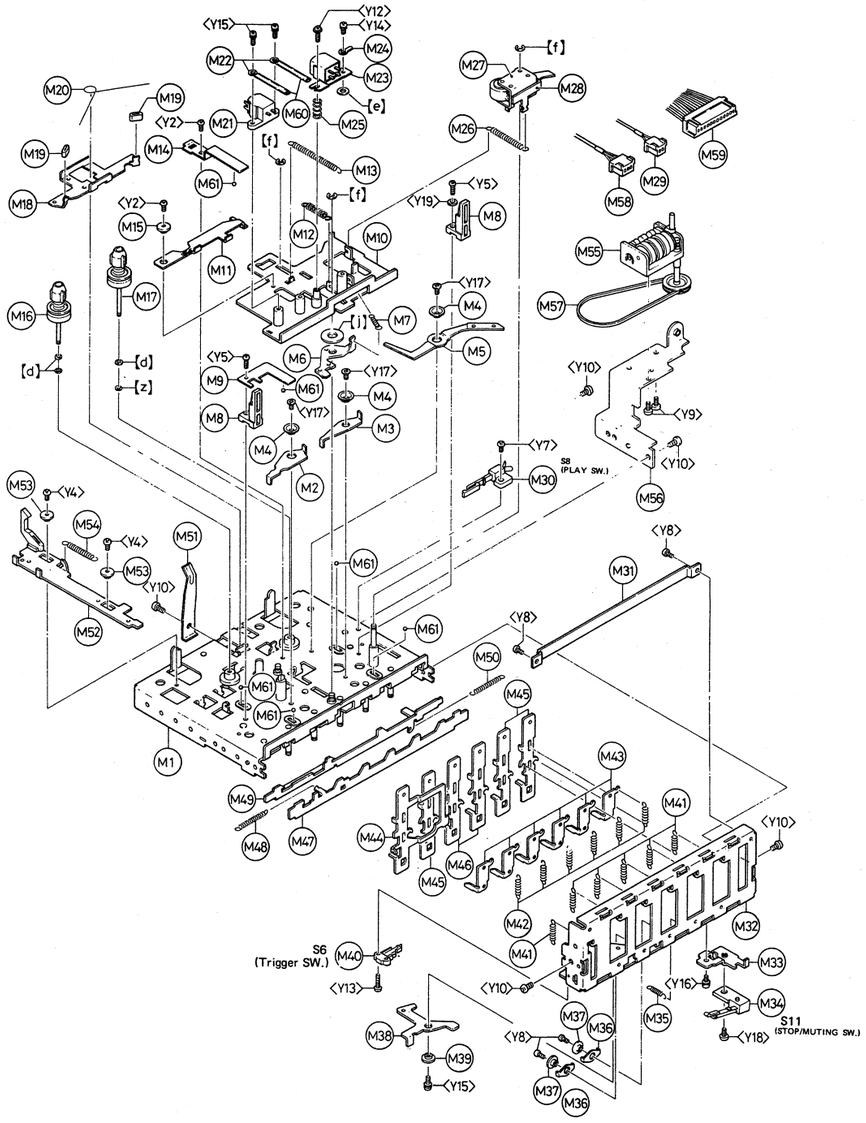
Key No.	Part No.	Description	Q'ty
MECHANISM (N)			
N18	141-2-411T-02600	Plate Nut, N12 Mtg.	1
N19	141-2-855T-75000	Spring Coil, N32 Return	1
N20	141-2-365T-54200	Bracket Switch, M1 Mtg.	1
N21	4-231T-71200	Switch, PAUSE S10	1
N22	141-2-365T-54100	Bracket Switch, M1 Mtg.	1
N23	4-238T-31100	Switch, REW/FF S9	1
N24	141-2-853T-70900	Spring Plate, Safety Operation ı	1
N25	141-2-731T-87100	Slide, Main Brake	1
N26	141-2-855T-75400	Spring Coil, N25 Return	1
N27	141-2-731T-86400	Slide, Auto Stop	1
N28	141-2-855T-75700	Spring Coil, N27 Return	1
N29	141-2-731T-86500	Slide, Auto Stop Detect	1
N30	141-2-614T-06000	Lever Lock, Pause	1
N31	141-2-852T-68000	Spring Wire, N30 Mtg.	1
N32	141-0-731T-87200	Slide Ass'y, Pause	1
N33	141-2-731T-87000	Slide, F. FWD	1
N34	141-2-731T-86900	Slide, PLAY	1
N35	141-2-731T-86800	Slide, REW	1
N36	141-2-731T-86700	Slide, REC	1
N37	141-2-855T-75300	Spring Coil, N35. N36 Return	2
N38	141-0-352T-50602	Spacer Ass'y, N32 Mtg.	1
N39	141-0-352T-50601	Spacer Ass'y, N45 Mtg.	1
N40	141-0-352T-50603	Spacer Ass'y, N33 Mtg.	1
N41	141-0-352T-50603	Spacer Ass'y, N34 ~ N36 Mtg.	3
N42	141-2-855T-71801	Spring Coil, N44. N45 Mtg.	2
N43	141-2-855T-71800	Spring Coil, N46 Mtg.	4
N44	141-2-742T-59901	Lever, N32 Mtg.	1
N45	141-2-742T-60000	Lever, Lock Slide Return	1
N46	141-2-742T-59900	Lever, N33. N34. N35. N36 Mtg.	4
N47	141-2-855T-80100	Spring Coil, N44 Return	1
N48	141-2-852T-70200	Spring Wire, Insert M1 Boss	1
N49	141-2-855T-80200	Spring Coil, N45 Return	1
N50	141-2-581T-19000	Gear, Reft Reel Pulley	1
N51	141-2-855T-68100	Spring Coil, Left Reel BT	1
N52	141-2-352T-49900	Spacer, N52 Pressure	1
N53	141-0-661T-32000	Pulley Ass'y, Right Reel	1
N54	141-2-671T-06400	Cam, N53 Mtg.	1
N55	141-2-855T-76400	Spring Coil, N53 Mtg.	1
N56	141-2-352T-48300	Spacer, N53 Mtg.	1
N57	141-2-855T-74600	Spring Coil, N58 Pressure	1
N58	141-0-742T-60472	Lever Ass'y, Idler Drive	1
N59	141-0-731T-87502	Slide Ass'y, Lock	1
N60	141-0-731T-86600	Slide Ass'y, AMSS Lock	1
N61	141-2-855T-75500	Spring Coil, N59 Return	1
N62	141-2-855T-78600	Spring Coil, N60 Return	1
N63	4-264T-10200	Magnetic Coil, AMSS	1
N64	141-2-855T-75800	Spring Coil, N65 Return	1
N65	141-2-731T-87400	Slide, N59 Mtg.	1
N66	141-2-731T-87600	Slide, Auto Stop-Flywheel Relay	1
N67	141-0-742T-60100	Lever Ass'y, N13 Lock	1
N68	141-2-855T-75100	Spring Coil, N33 Return	1
N69	4-238T-09600	Switch, Main (Power), S7	1
N70	141-2-855T-05000	Spring Coil, N8 Return	1
N71	141-2-464T-20671	Fixer, Lead Retainer	1
N72	141-2-447T-93900	Cushion, M1 Mtg.	2
MOUNTING WASHERS			
a	141-2-457T-04100	Special Washer, GNW 1.7x4.7x0.5mm	3
b	141-2-457T-04300	Special Washer, N Flywheel	1
c	141-2-457T-06200	Special Washer, GNW 2.1x9x0.3mm	1
d	141-2-457T-10200	Special Washer, GNW 2x3x0.5mm	3
e	141-2-457T-10300	Special Washer, GNW 3.2x5.75x0.1mm	1
f	141-2-457T-23000	Special Washer, E Ring 2ϕmm	13
g	141-2-457T-23100	Special Washer, E Ring 3ϕmm	1
h	141-2-457T-23700	Special Washer, E Ring 1.2ϕmm	2
i	141-2-457T-23800	Special Washer, E Ring 1.5ϕmm	1
j	141-2-457T-33400	Special Washer, GNW 5.1x11.5x0.3mm	1
k	141-2-457T-36300	Special Washer, GNW 2.6x10x3mm	1
u	141-2-453T-30501	Washer, GF Nylon 4.1x6.5x0.25mm	1
v	141-2-453T-30500	Washer, GF Nylon 4.1x6.5x0.13mm	1

PARTS LIST

Key No.	Part No.	Description	Q'ty
MOUNTING WASHERS			
w	141-2-453T-30301	Washer, GF Nylon 3.1x5.4x0.25mm	1
x	141-2-453T-30302	Washer, GF Nylon 2.6x4.7x0.5mm	1
y	141-2-453T-30102	Washer GF Nylon 2.1x4.0x0.5mm	1
z	141-2-453T-30101	Washer, GF Nylon 2.1x4x0.25mm	1

Key No.	Part No.	Description	Q'ty
MECHANISM MOUNTING SCREW			
Y1		Pan Head Screw 2x6 m/m	1
Y2		Pan Head Screw 2.6x3 m/m	2
Y3		Pan Head Screw 2.6x3.5 m/m	3
Y4		Pan Head Screw 2.6x4 m/m	3
Y5		Pan Head Screw 2.6x6 m/m	2
Y6		Pan Head Screw 2.6x8 m/m	1
Y7		Pan Head Screw 3x4 m/m	1
Y8		Pan Head Screw Forming Screw 2.6x4 m/m	4

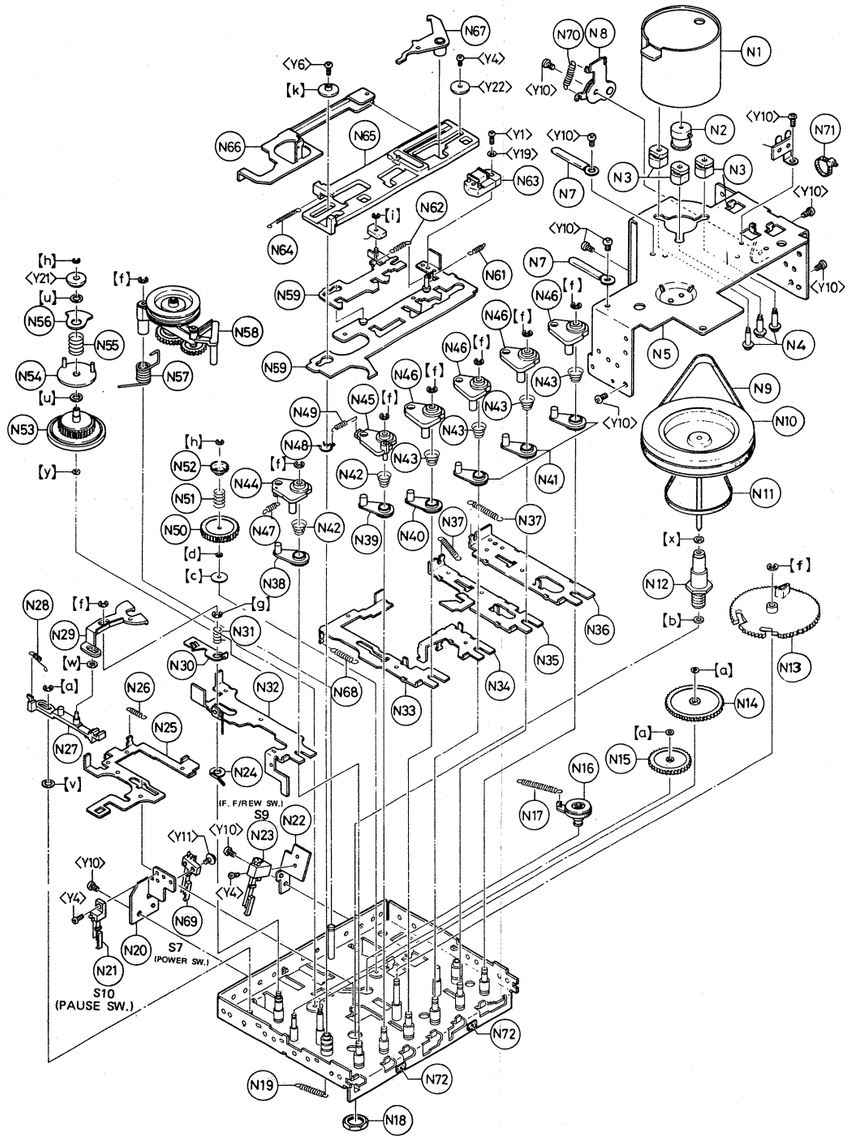
EXPLODED VIEW (MECHANISM 1/2)



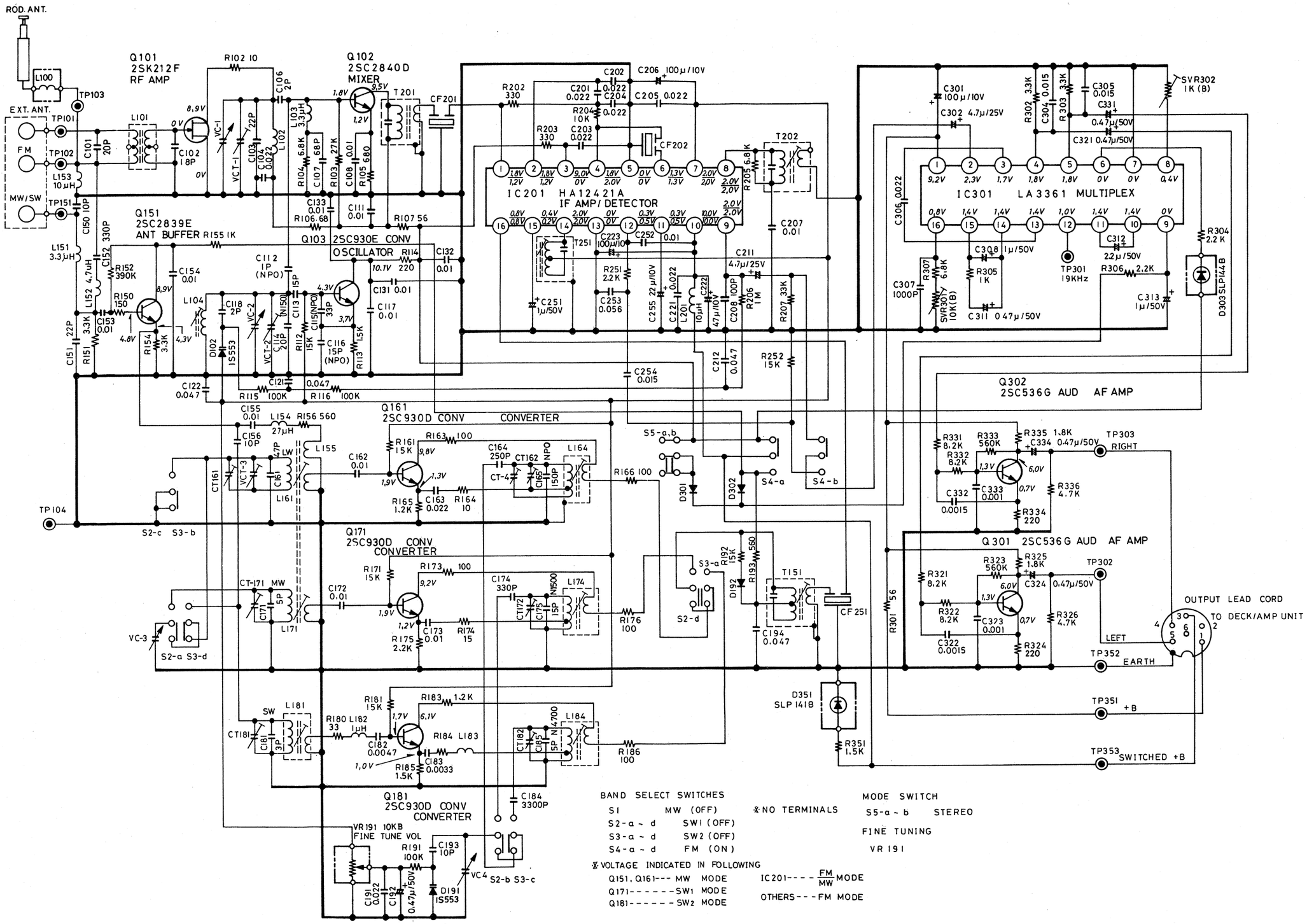
Key No.	Part No.	Description	Q'ty
MECHANISM MOUNTING SCREW			
Y9		Pan Head Screw Forming Screw 2.6x6 m/m	2
Y10		Pan Head Screw Forming Screw 3x4 m/m	15
Y11		Pan Head with Washer 2x4 m/m	1
Y12		Pan Head with Washer 2x6 m/m	1
Y13		Pan Head with Washer 2x8 m/m	1
Y14		Pan Head with Spring Washer 2x4 m/m	1

Key No.	Part No.	Description	Q'ty
MECHANISM MOUNTING SCREW			
Y15		Pan Head with Spring Washer 2x6 m/m	3
Y16		Pan Head with Spring Washer 2.6x4 m/m	1
Y17		Flat Head Screw 2.6x3.5 m/m	2
Y18		Binding Head Screw 3x4 m/m	1
Y19		Washer 2x4.3x0.4 m/m	1
Y20		Washer 2.6x5x0.5 m/m	1
Y21		Washer 2x6x0.5 m/m	1
Y22		Washer 2.6x10x0.5 m/m	1

EXPLODED VIEW (MECHANISM 2/2)



SCHEMATIC DIAGRAM (TUNER)



BAND SELECT SWITCHES

S1	MW (OFF)	
S2-a ~ d	SW1 (OFF)	
S3-a ~ d	SW2 (OFF)	
S4-a ~ d	FM (ON)	

※VOLTAGE INDICATED IN FOLLOWING

Q151, Q161--- MW MODE
Q171------SW1 MODE
Q181------SW2 MODE

※NO TERMINALS

IC201---FM/MW MODE
OTHERS---FM MODE

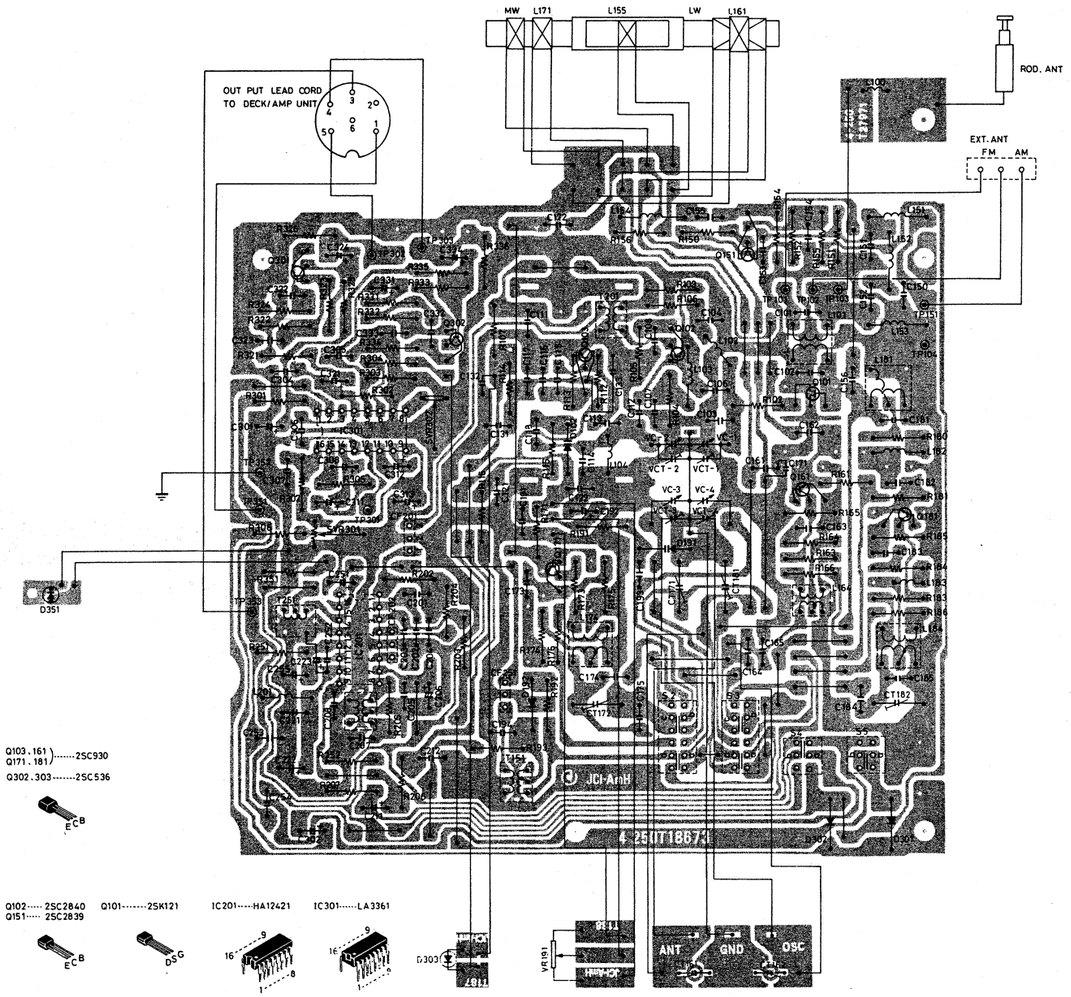
MODE SWITCH

S5-a ~ b STEREO

FINE TUNING

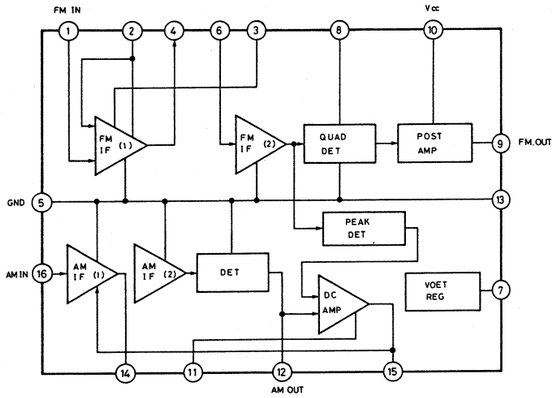
VR191

WIRING DIAGRAM (TUNER)

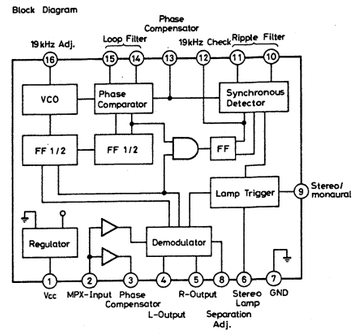


IC BLOCK DIAGRAM

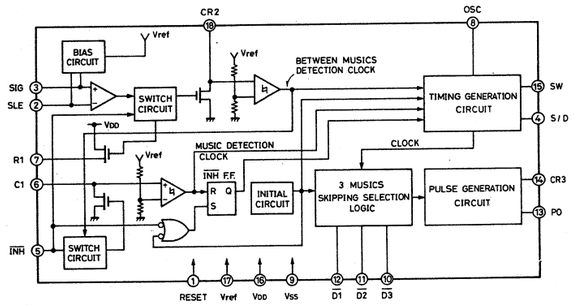
HA12421 (FM/AM IF + DETECTOR SYSTEM)



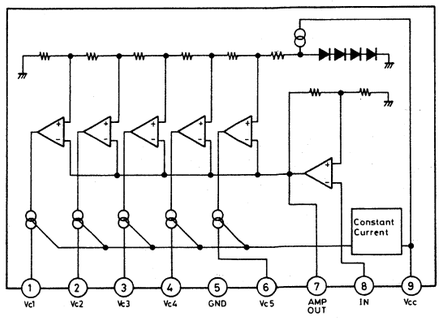
LA3361 (PLL FM Multiplex Stereo Demodulator)



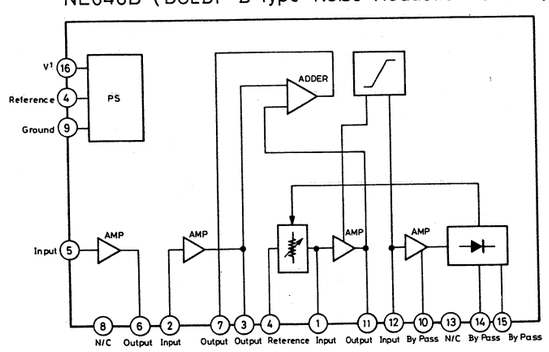
LC7510 (Automatic Music Selector C MOS IC)



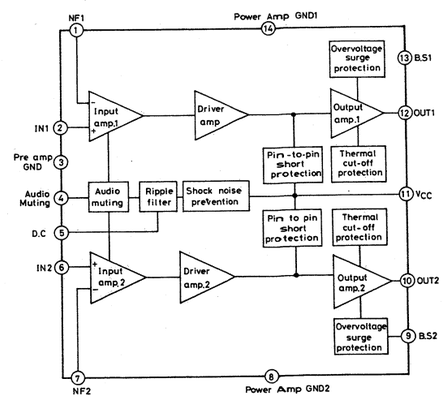
BA6124 (LED Level Meter)

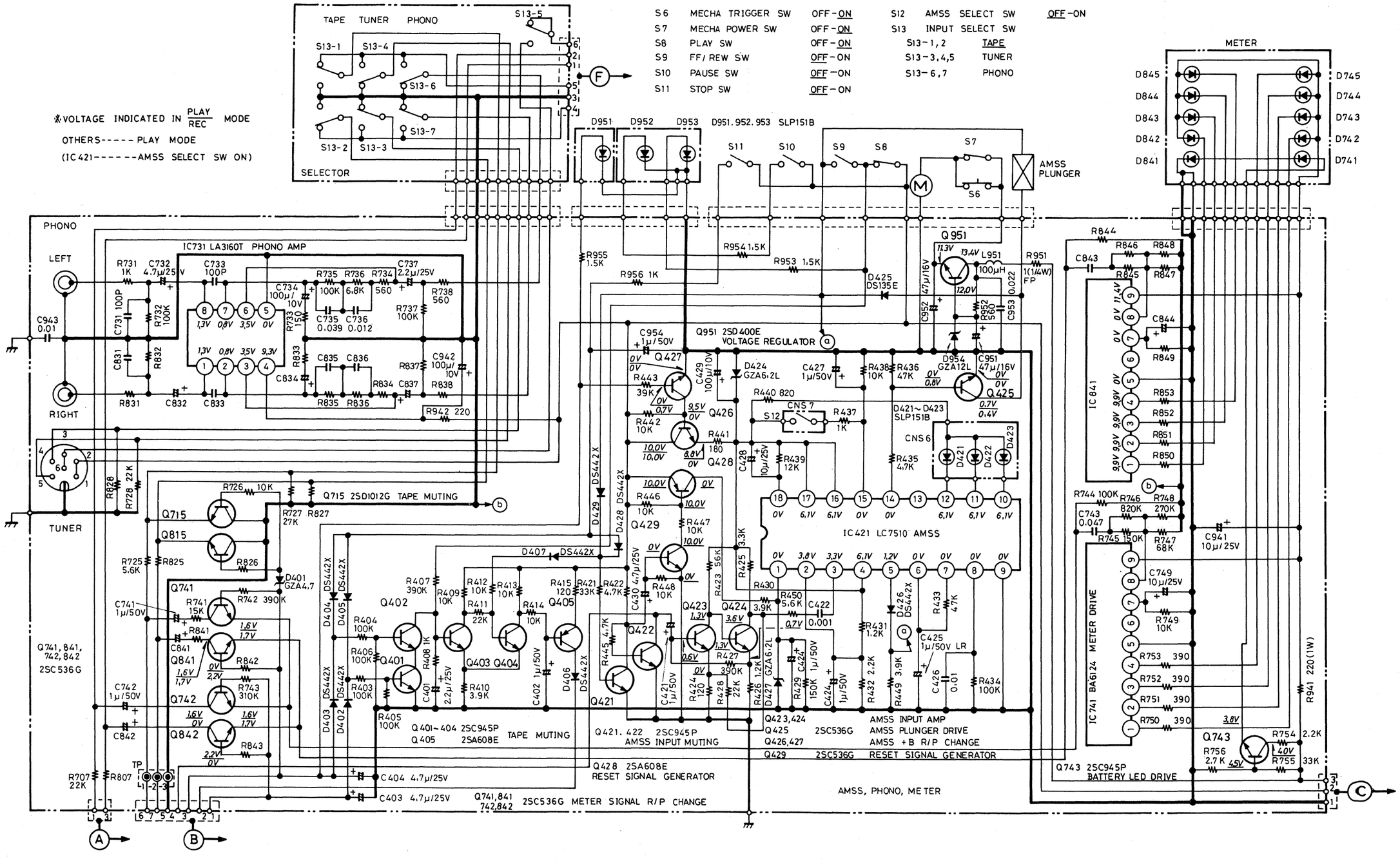


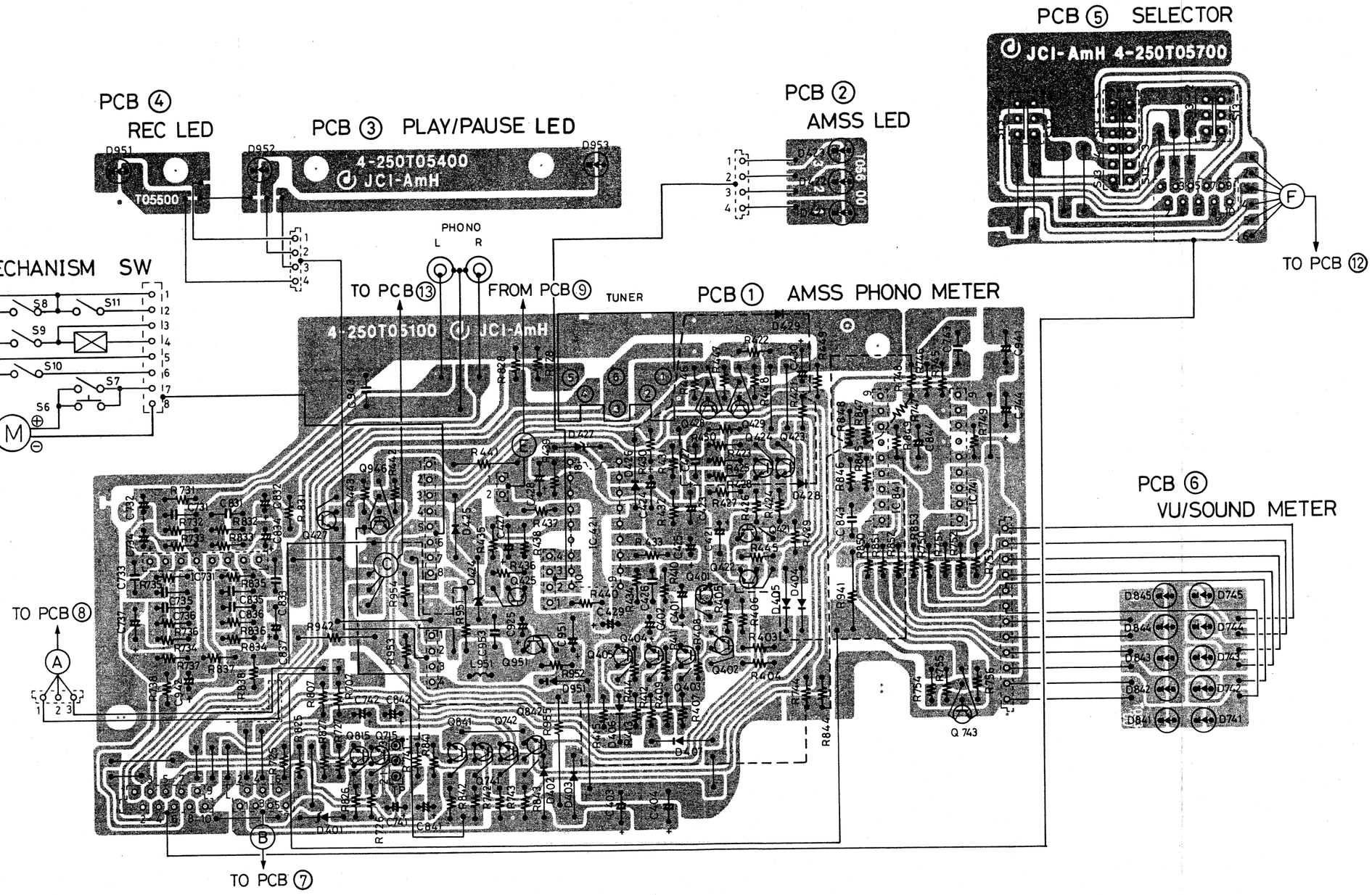
NE646B (DOLBY B-Type Noise Reduction Circuit)



LA4440 (6W AF Power Amplifier)



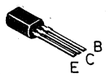

※VOLTAGE INDICATED IN PLAY/REC MODE
OTHERS----- PLAY MODE
(IC421------AMSS SELECT SW ON)
S6 MECHA TRIGGER SW OFF-ON
S7 MECHA POWER SW OFF-ON
S8 PLAY SW OFF-ON
S9 FF/REW SW OFF-ON
S10 PAUSE SW OFF-ON
S11 STOP SW OFF-ON
S12 AMSS SELECT SW OFF-ON
S13 INPUT SELECT SW
S13-1,2 TAPE
S13-3,4,5 TUNER
S13-6,7 PHONO
SELECTOR
TAPE TUNER PHONO
AMSS PLUNGER
METER
D951 D952 D953 D951.952.953 SLP151B
PHONO
LEFT
RIGHT
TUNER
IC731 LA3160T PHONO AMP
Q951 2SD400E VOLTAGE REGULATOR
IC421 LC7510 AMSS
IC841
IC741 BA6124 METER DRIVE
Q715 2SD1012G TAPE MUTING
Q741,841, 742,842 2SC536G
Q401~404 2SC945P
Q405 2SA608E TAPE MUTING
Q421. 422 2SC945P AMSS INPUT MUTING
Q428 2SA608E RESET SIGNAL GENERATOR
Q741,841 742,842 2SC536G METER SIGNAL R/P CHANGE
Q423,424 AMSS INPUT AMP
Q425 2SC536G AMSS PLUNGER DRIVE
Q426,427 AMSS +B R/P CHANGE
Q429 2SC536G RESET SIGNAL GENERATOR
Q743 2SC945P BATTERY LED DRIVE
AMSS, PHONO, METER



TRANSISTOR CONNECTION

2SA608
2SC536
2SC945

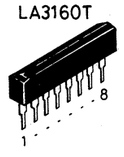
2SD400



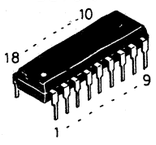
2SD1012 (SP)

IC CONNECTION

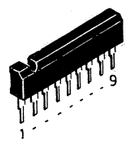
LA3160T



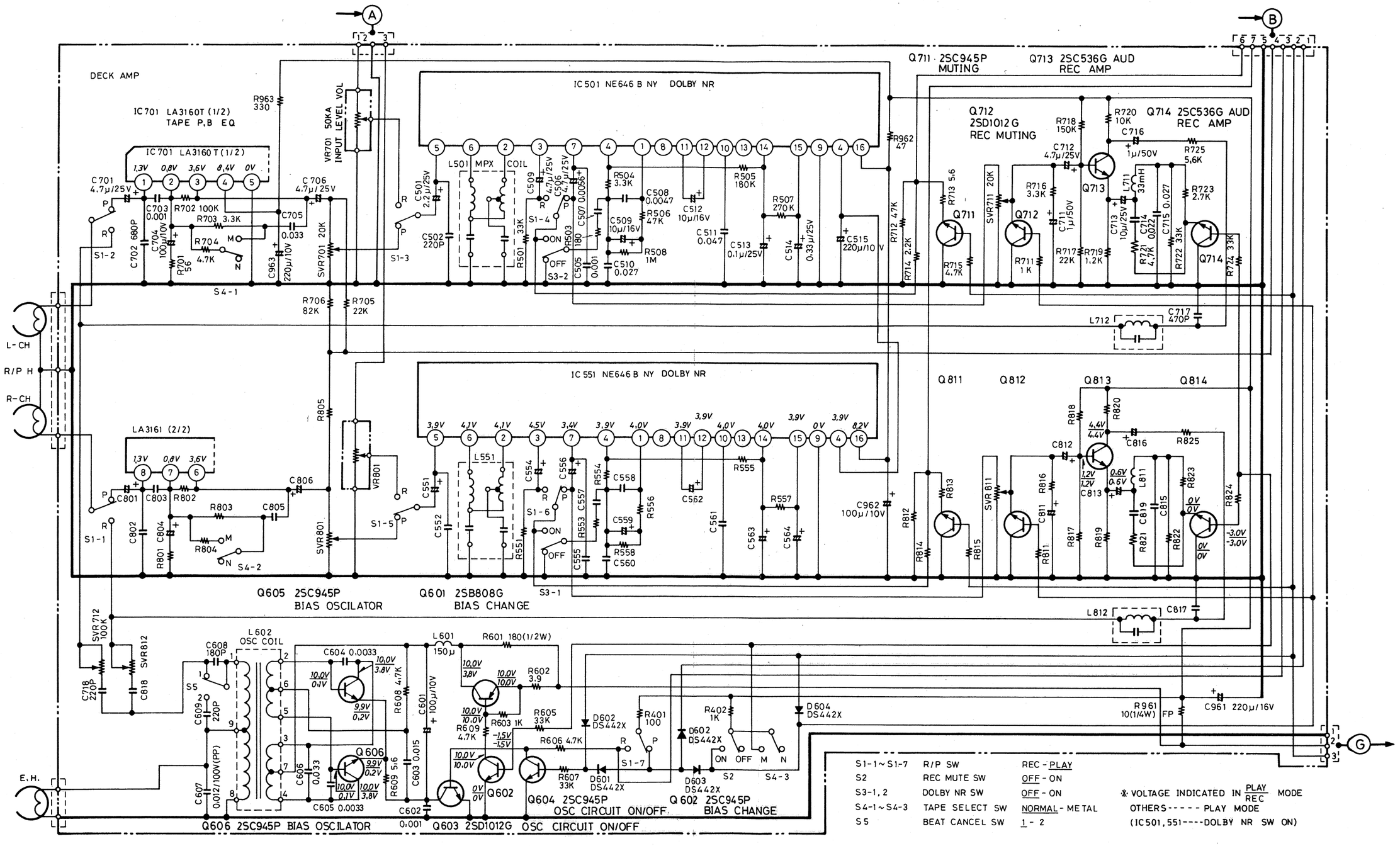
LC7510

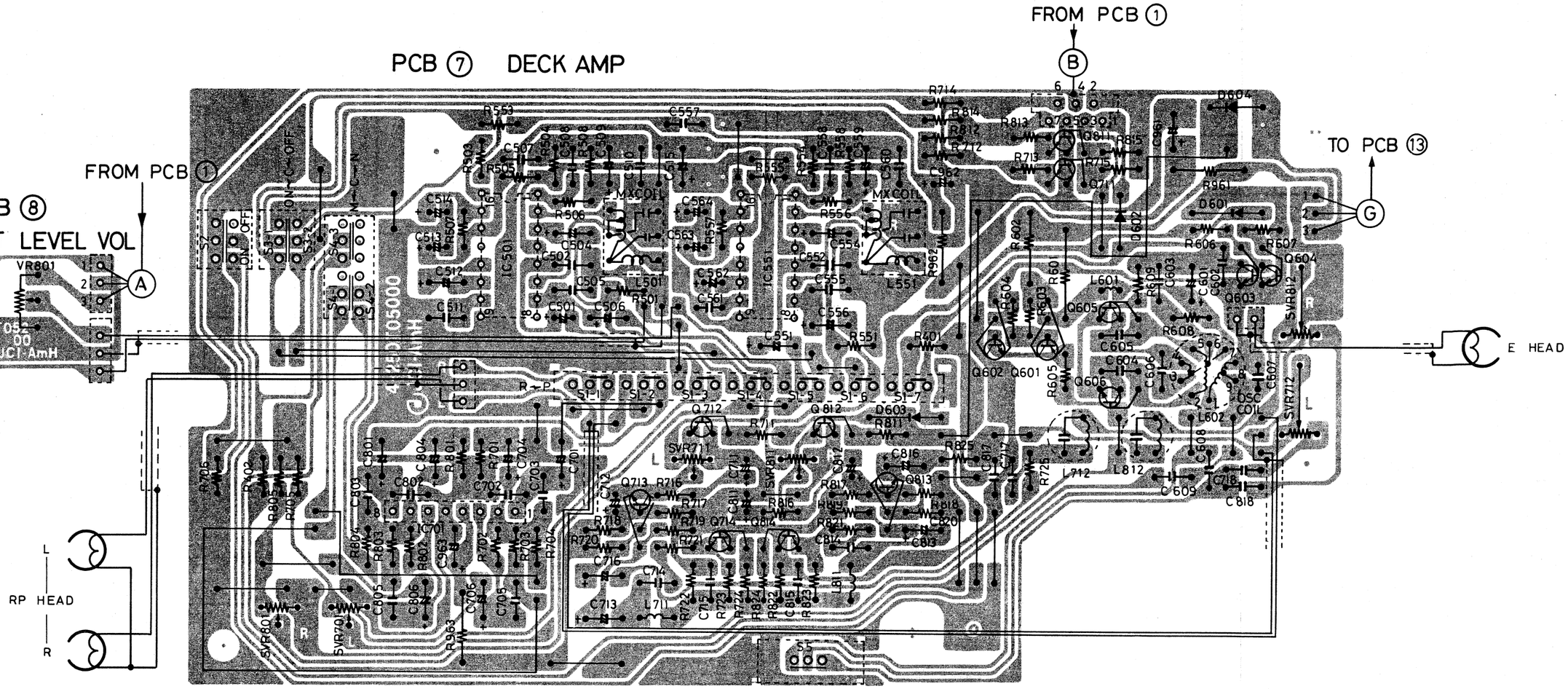


BA6124



SCHEMATIC DIAGRAM (DECK/AMP 2)



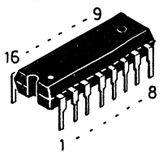


TRANSISTOR CONNECTION

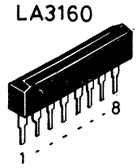
2SC536	2SB808 (SP)
2SC945	2SD1012 (SP)

IC CONNECTION

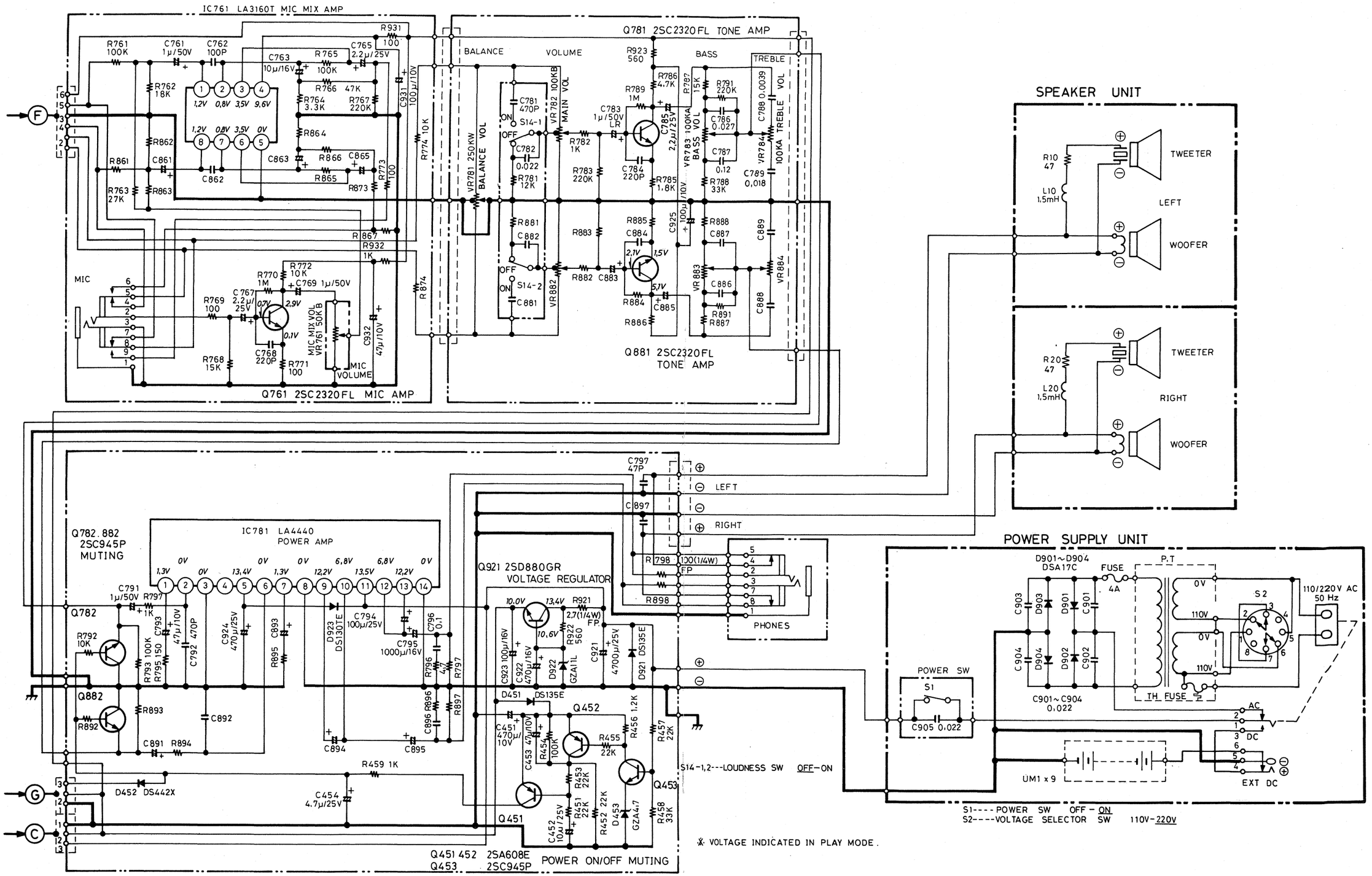
NE646B



LA3160



SCHEMATIC DIAGRAM (DECK/AMP 3, POWER SUPLLY, SPEAKER)



PCB ⑨
LOUDNESS AMSS

PCB ⑩
TONE AMP

PCB ⑪
MIC MIX VOL

PCB ⑫
MIC MIX AMP

PCB ⑬
POWER AMP

FROM PCB ①
FROM PCB ⑦
FROM PCB ⑤
E
F
G
C

SPEAKER UNIT
TWEETER
WOOFER
LEFT SP
RIGHT SP
R10
L10
L20
R20

DC IN

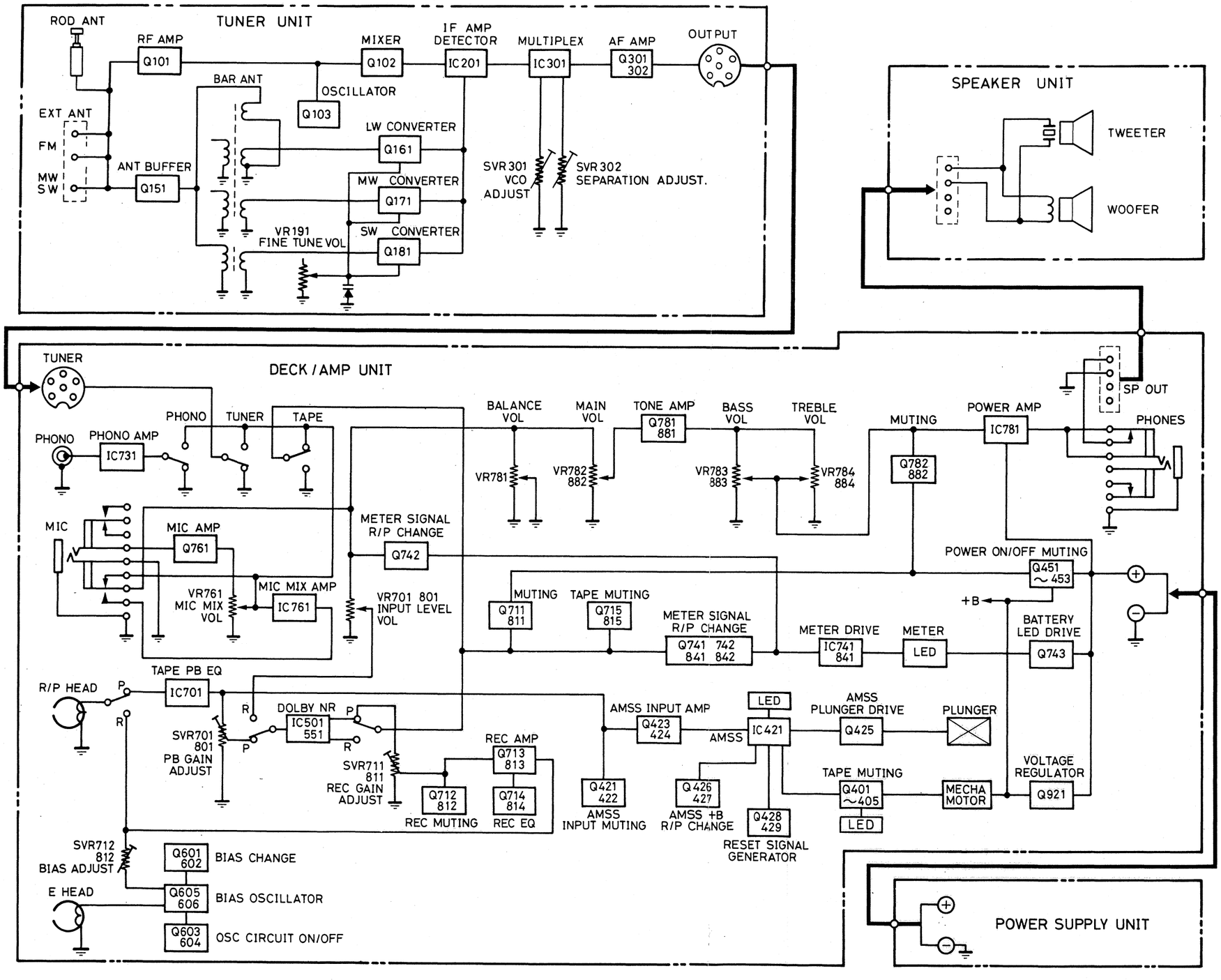
POWER SUPPLY UNIT
DC OUT
EXT DC
AC IN
PT
JCI-AnH
T06600
FUSE 4A
DC 13.5V
JCI-AnS
4-250T06571

PHONES
P.C.B ⑭
HEAD PHONE

IC CONNECTION
LA3160
LA4440

TRANSISTOR CONNECTION
2SA608
2SC2320
2SC945
2SD880

BLOCK DIAGRAM



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